20060717150907

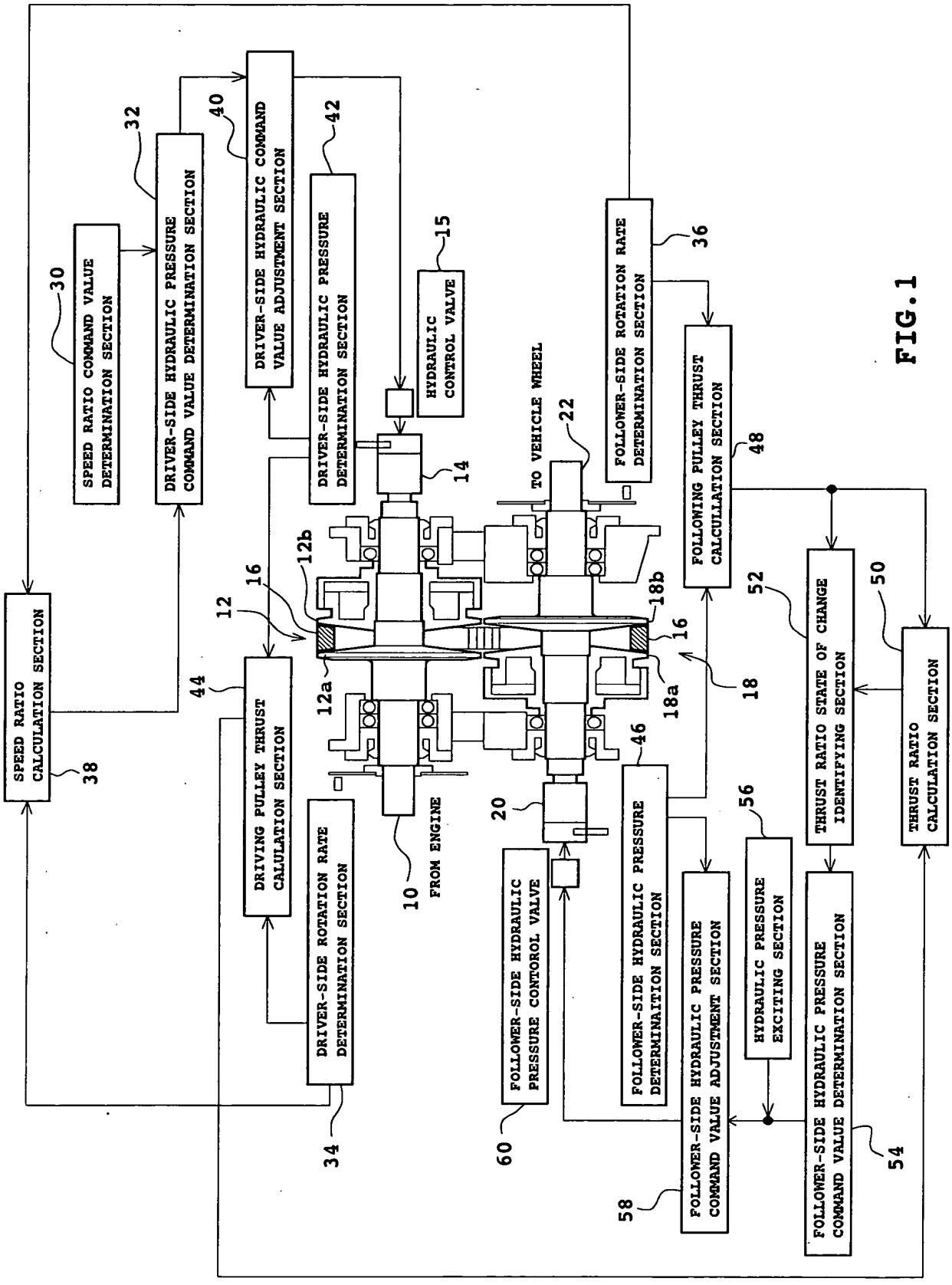


FIG. 1

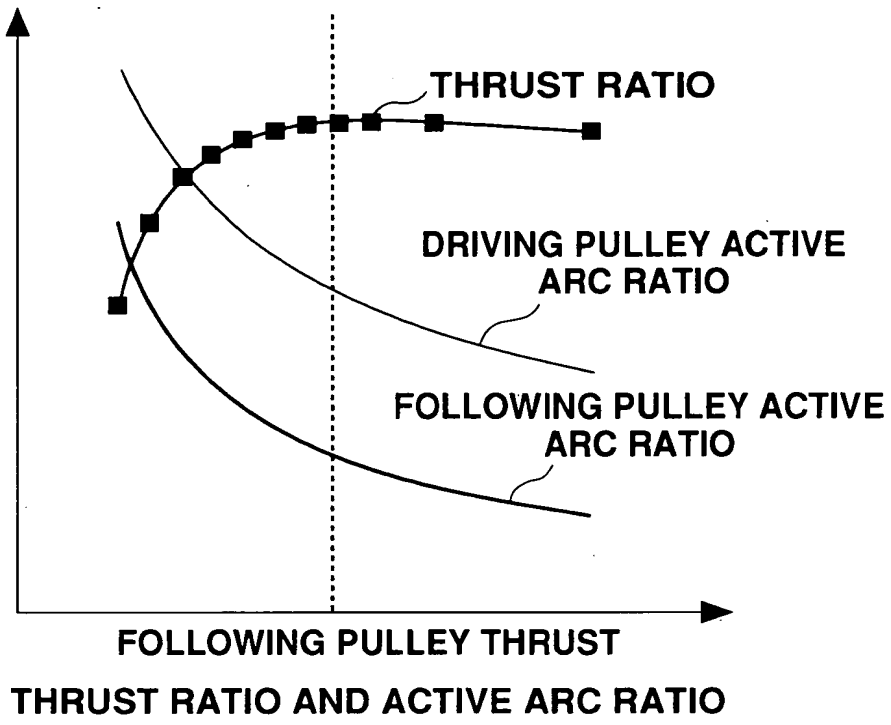
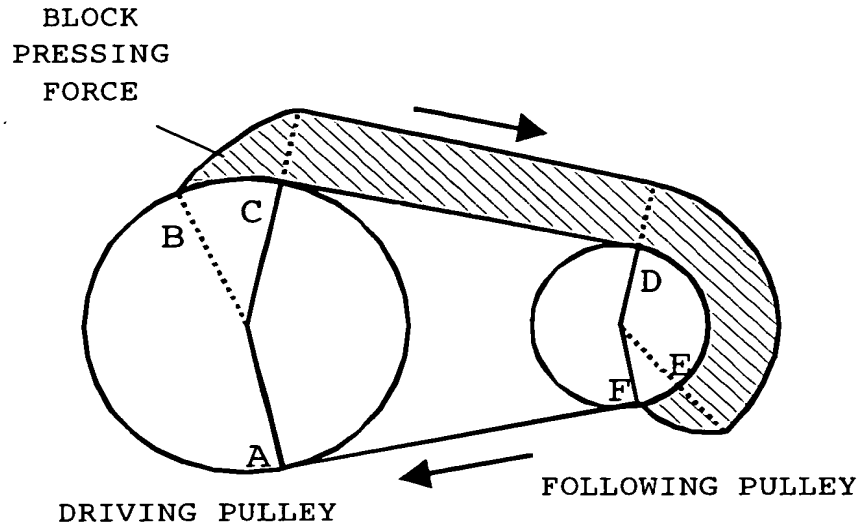


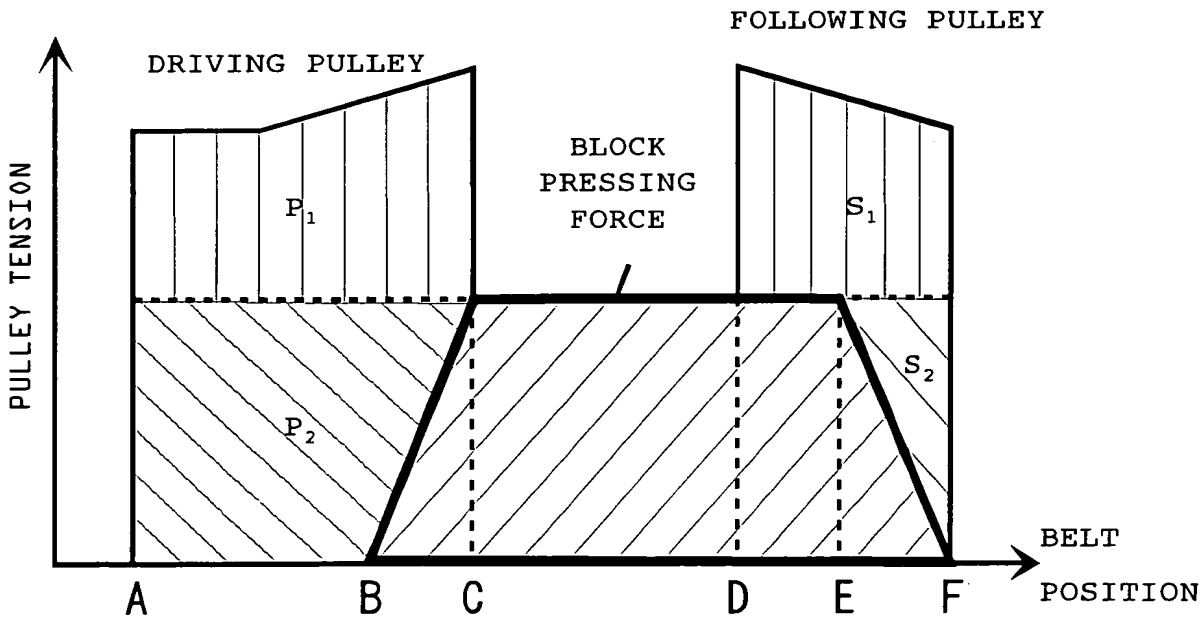
FIG. 2

2006-0302



CASE WITH EXCESS THRUST

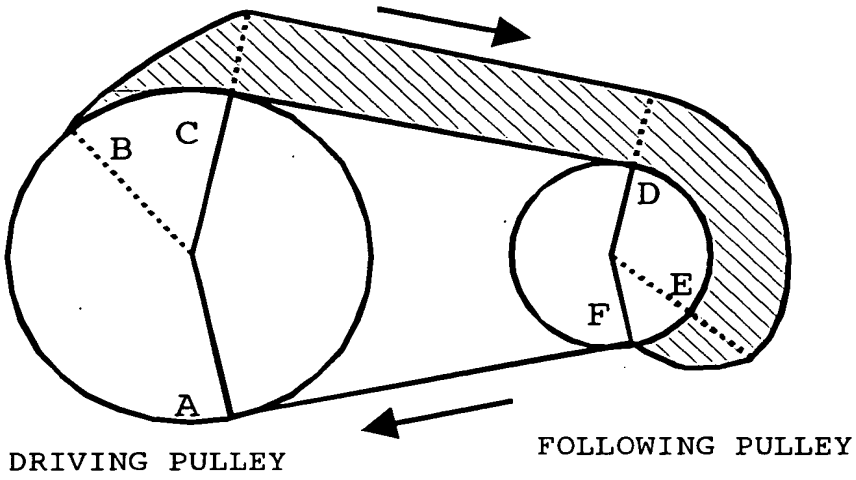
FIG. 3



THRUST RATIO IN CASE WITH EXCESS THRUST

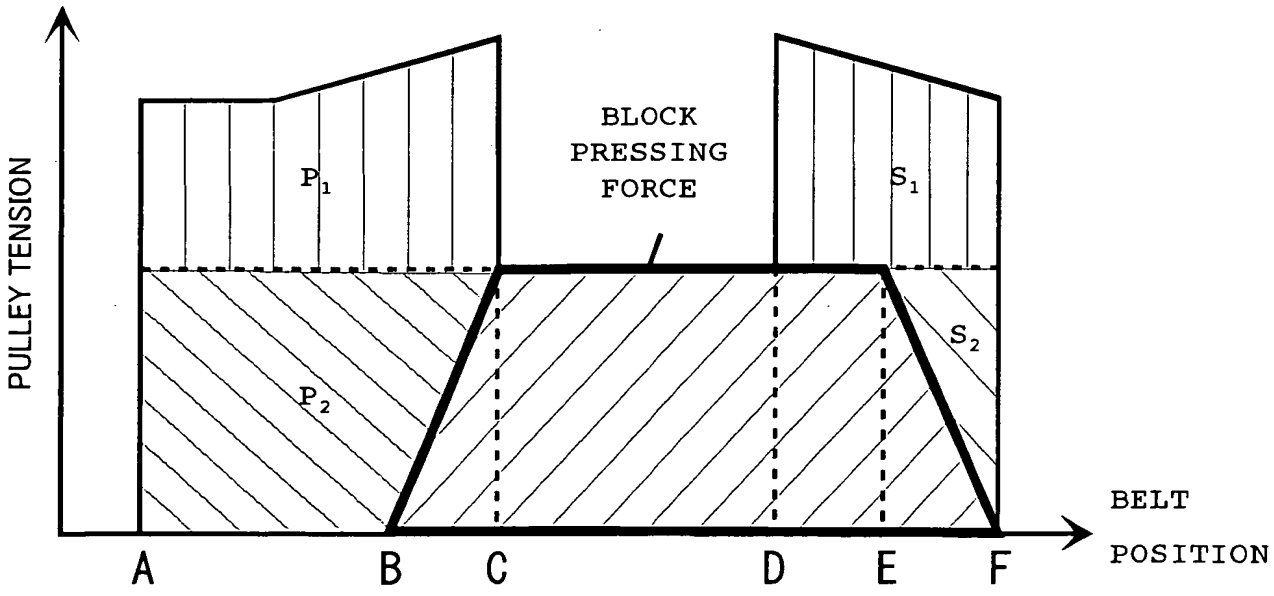
FIG. 4

JP2005-240902



CASE WITH DECREASED THRUST

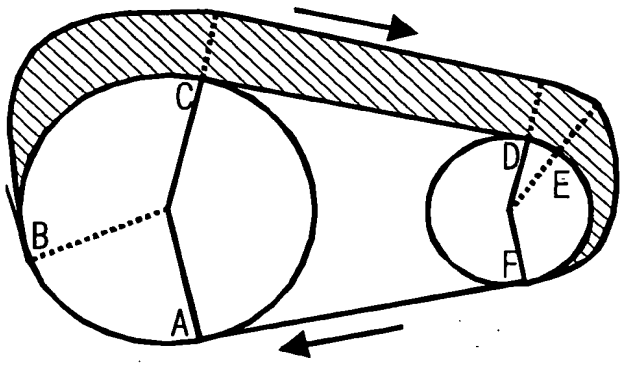
FIG. 5



THRUST RATIO IN CASE WITH EXCESS THRUST

FIG. 6

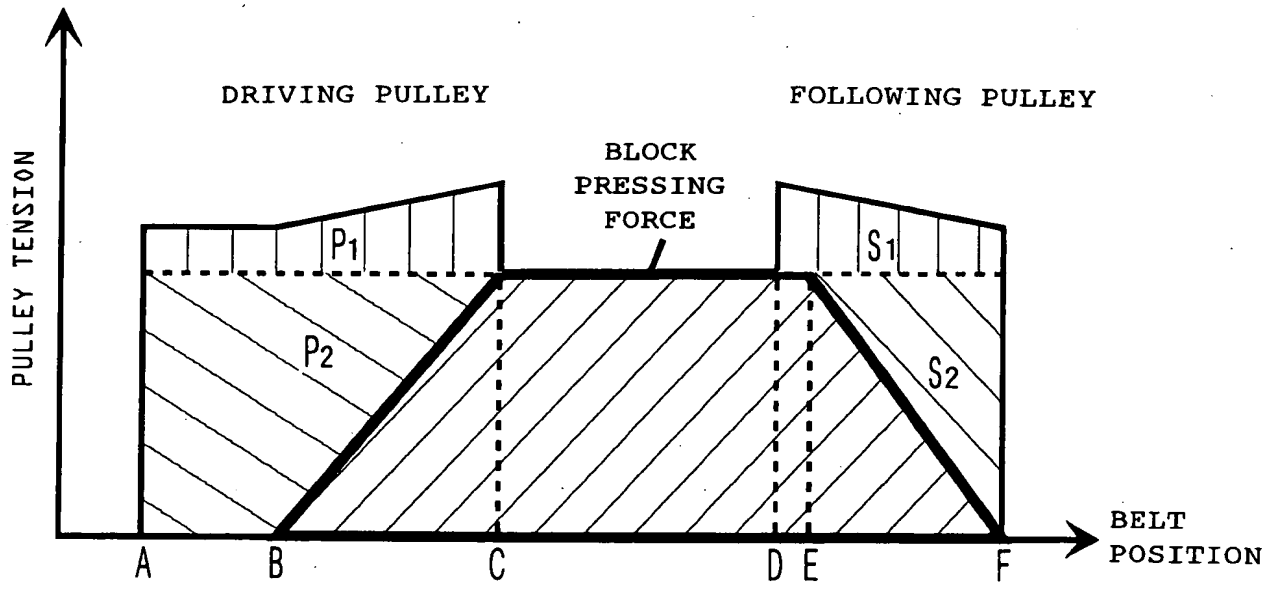
20050142.030102



DRIVING PULLEY FOLLOWING PULLEY

CASE WITH FURTHER DECREASED THRUST

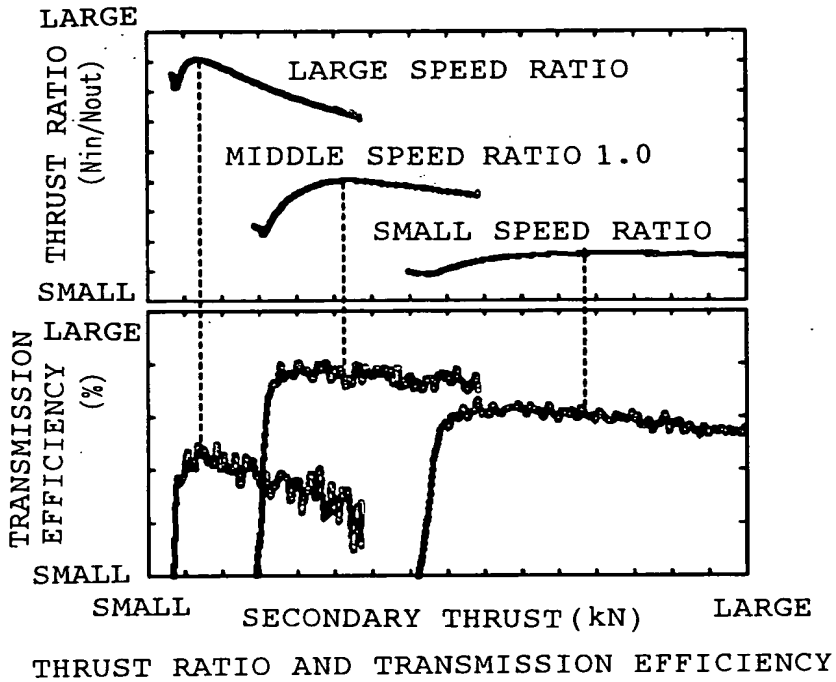
FIG. 7



THRUST RATIO IN CASE WITH FURTHER DECREASED THRUST

FIG. 8

20070212.060702



THRUST RATIO AND TRANSMISSION EFFICIENCY

FIG. 9

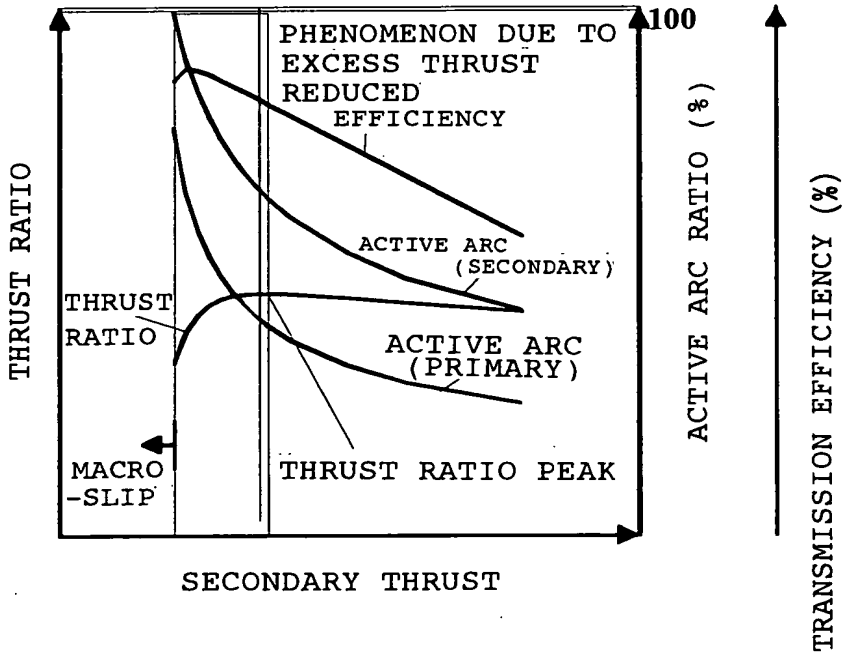


FIG. 10

2220151US3-030104

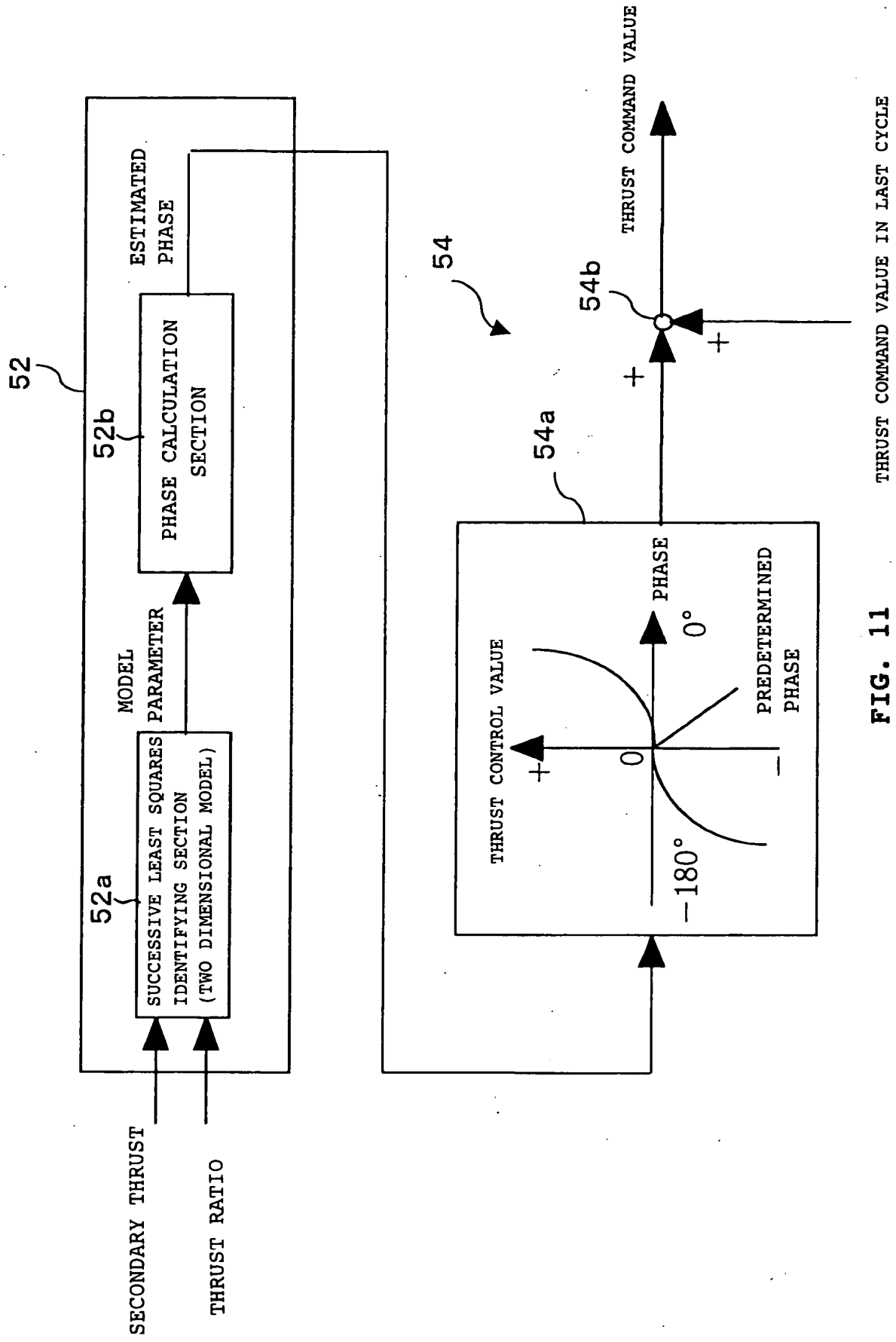


FIG. 11

20070529-27159807

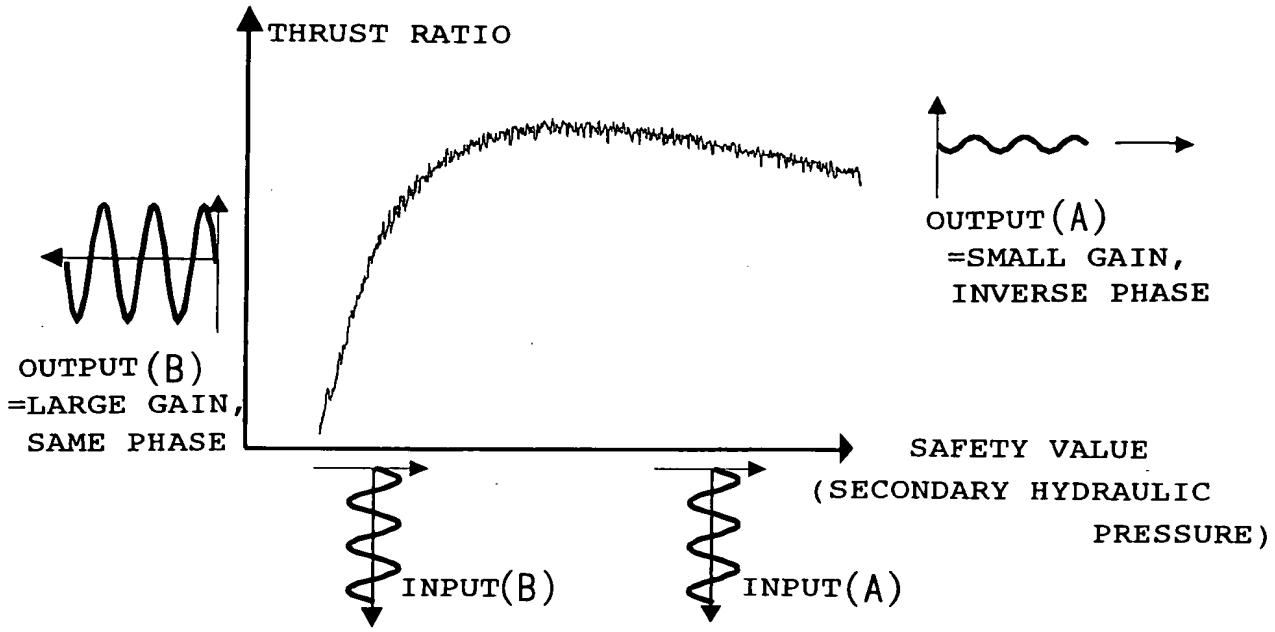
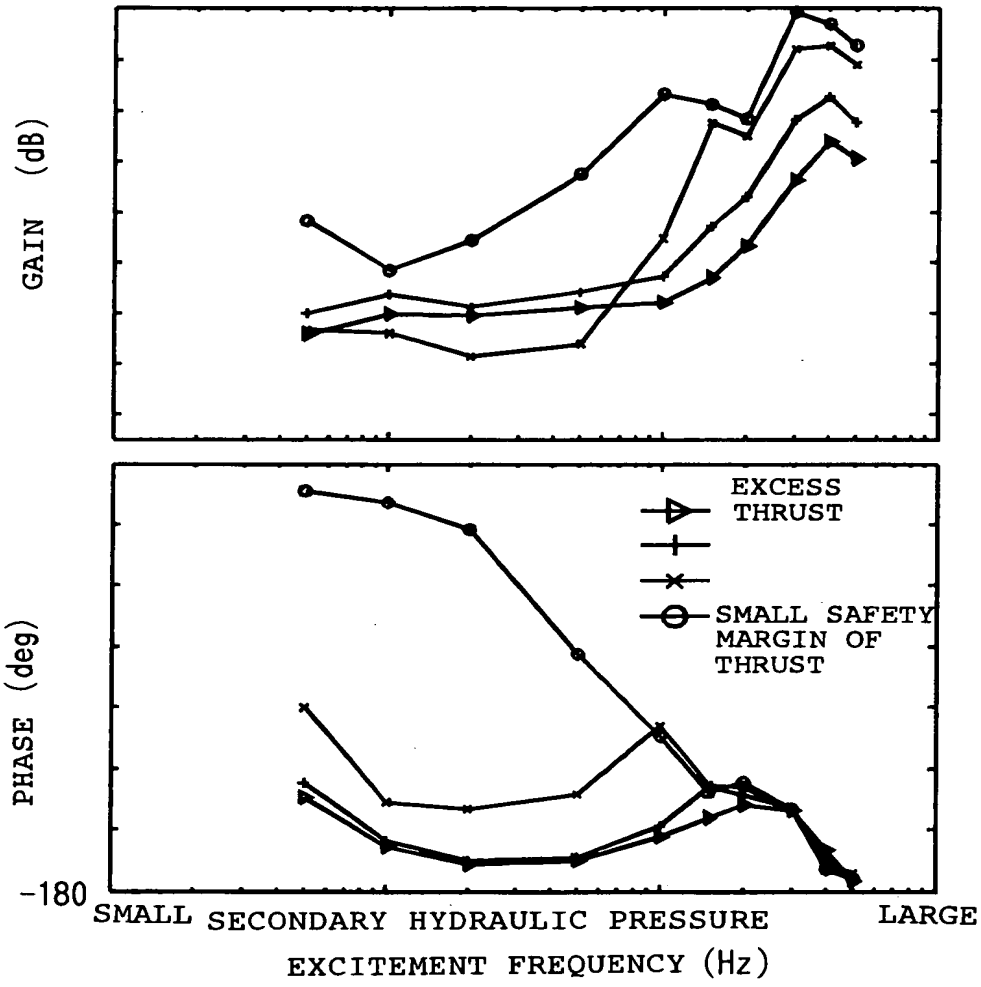


FIG. 12

JP2005112209A 20050428

20150712050901



HYDRAULIC PRESSURE-THRUST RATIO TRANSMISSION CHARACTERISTICS

FIG. 13

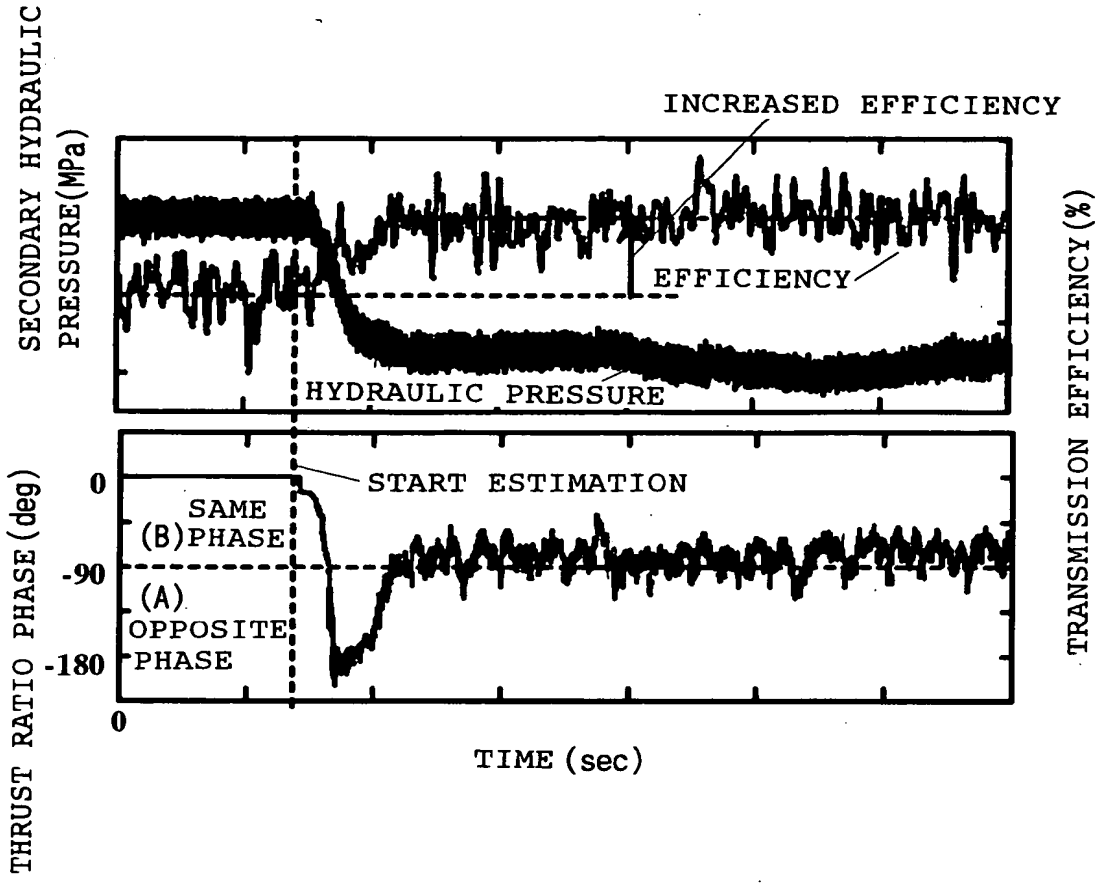


FIG. 14

20070302.1705307

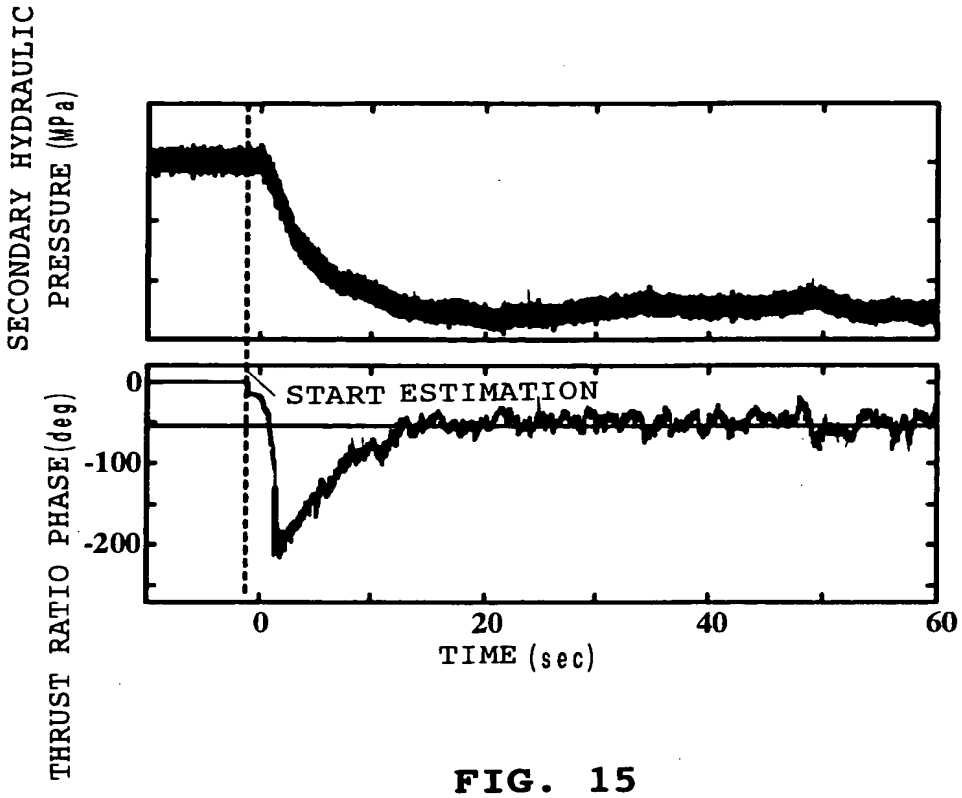


FIG. 15

10085112-030102

Attorney Docket

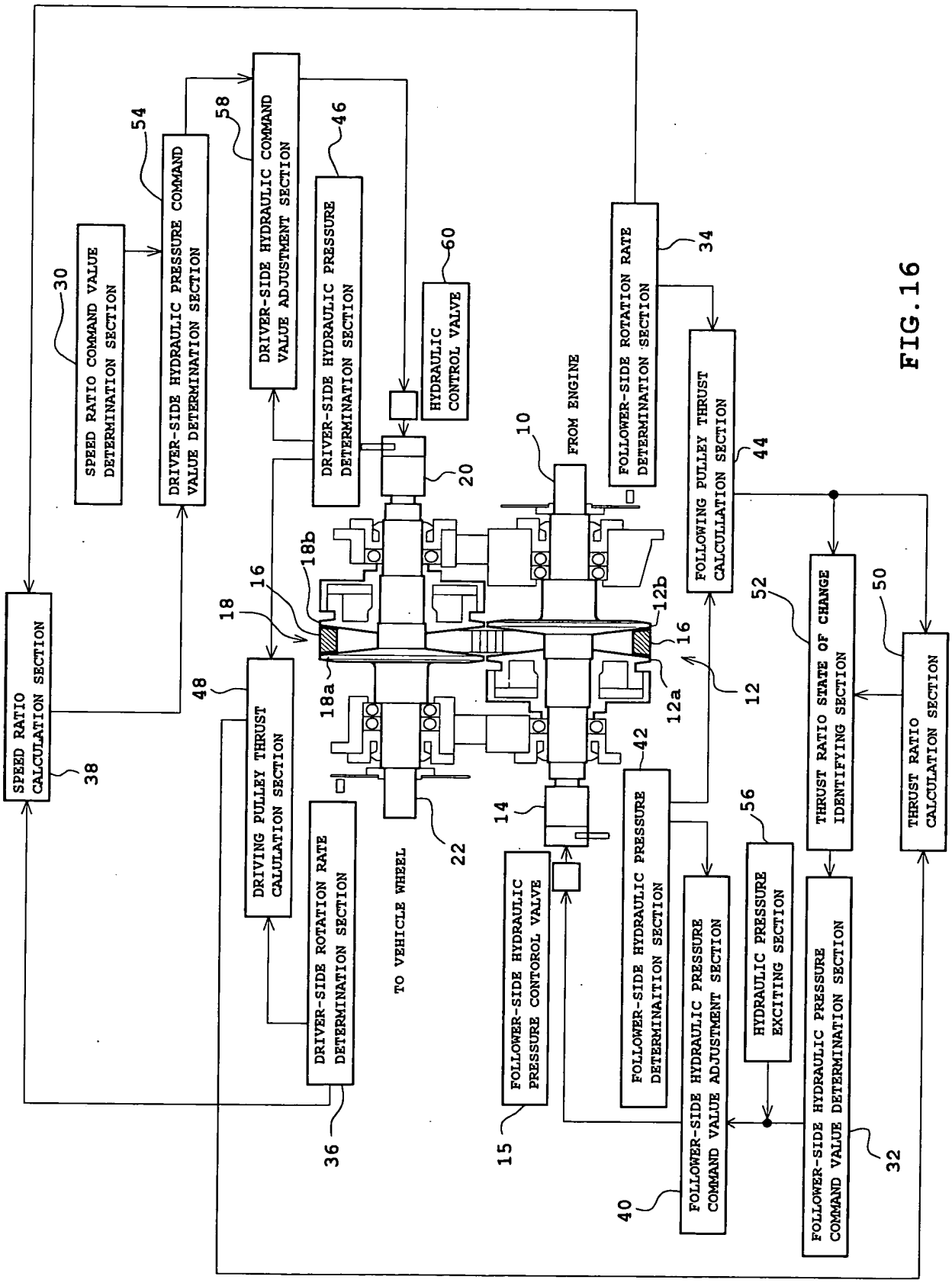


FIG. 16

20060215305

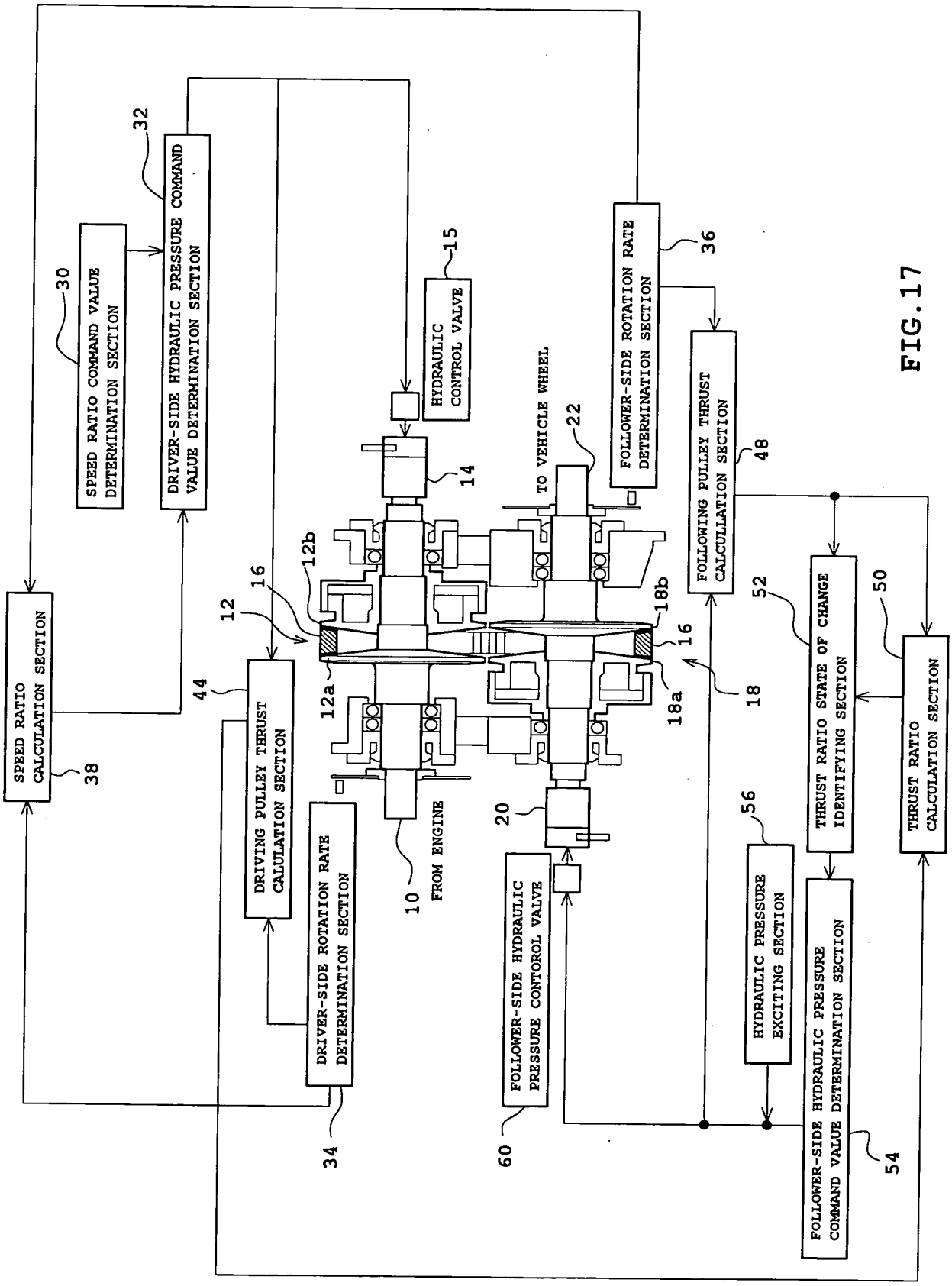


FIG.17

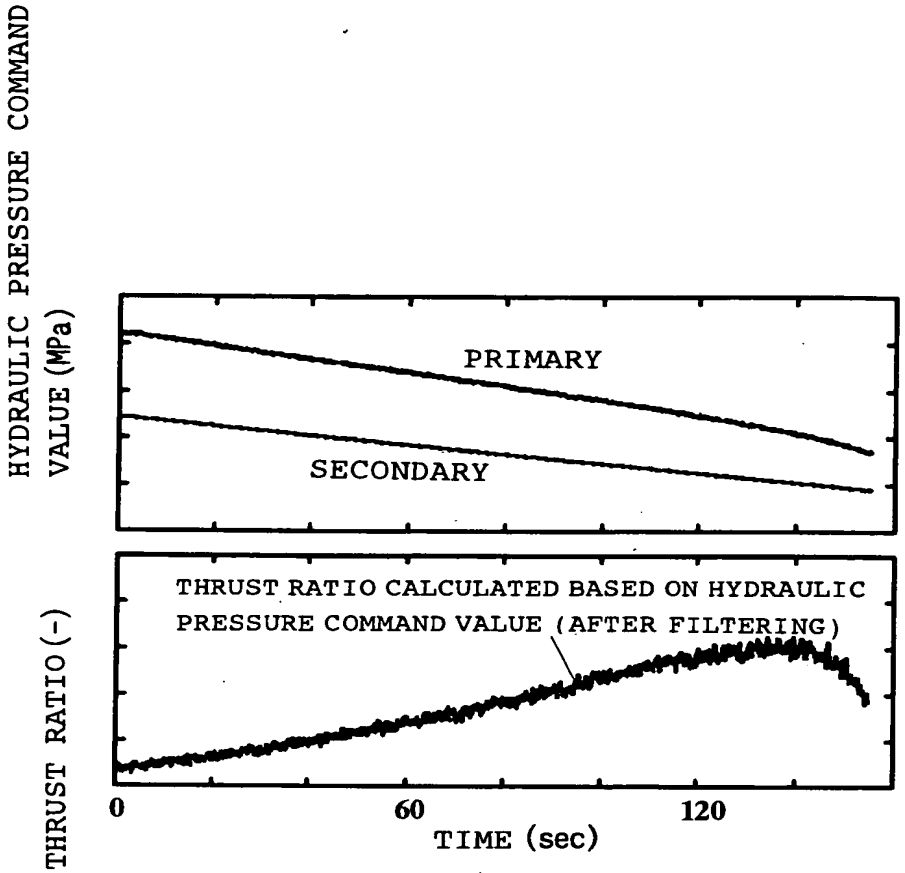


FIG. 18

2004-0904

20050215807

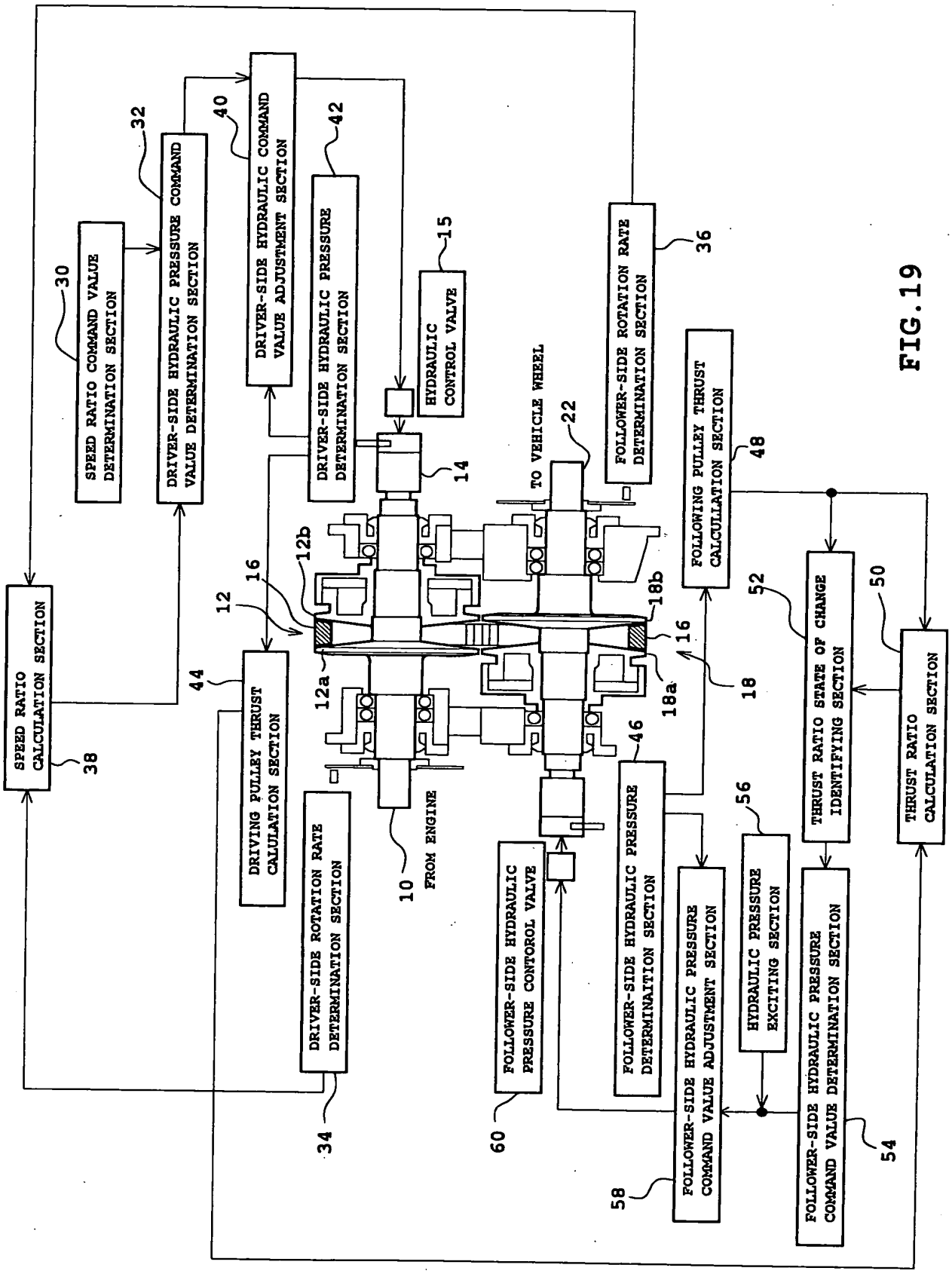


FIG.19

APPED: ETSBOT

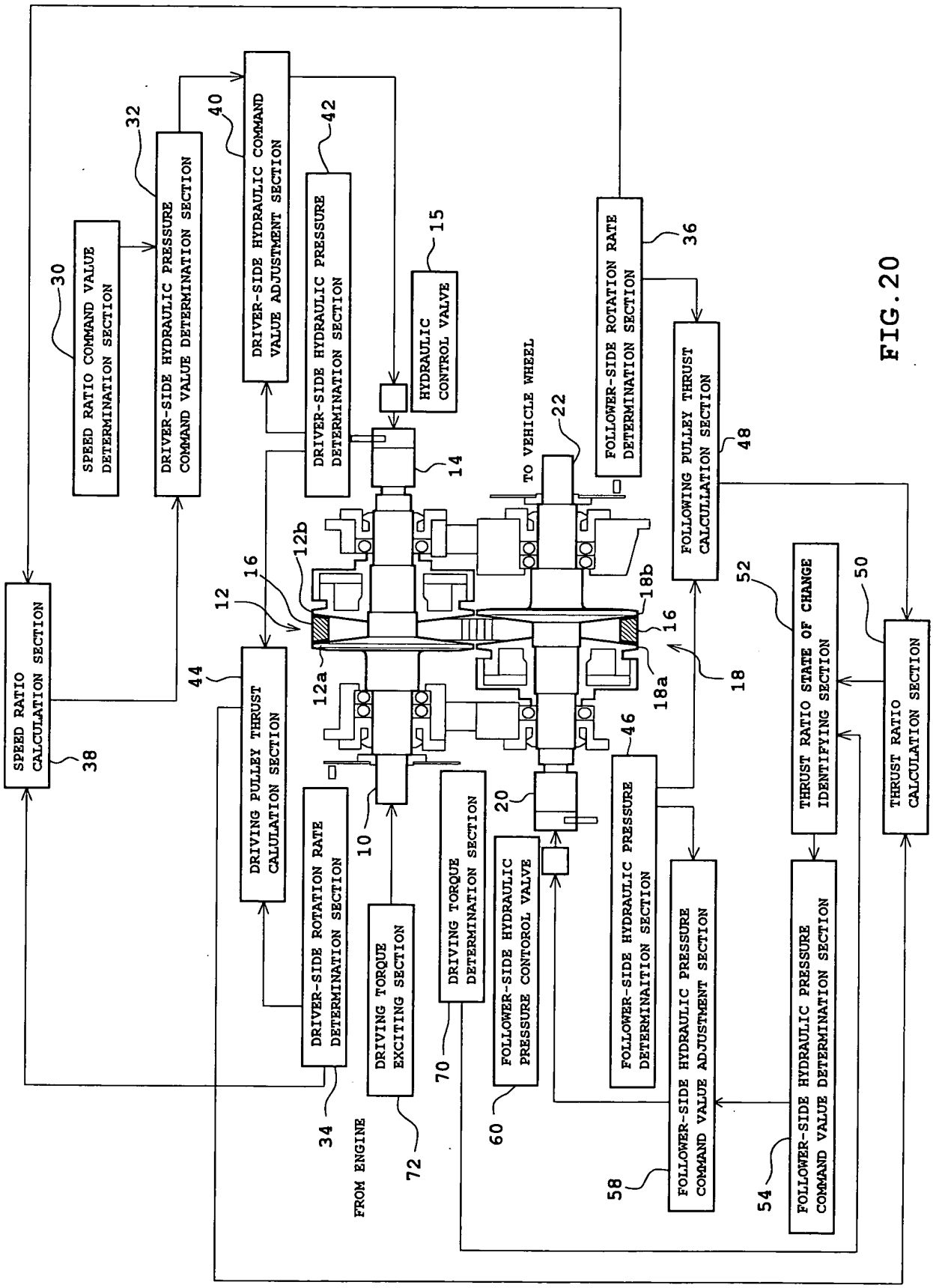


FIG. 20

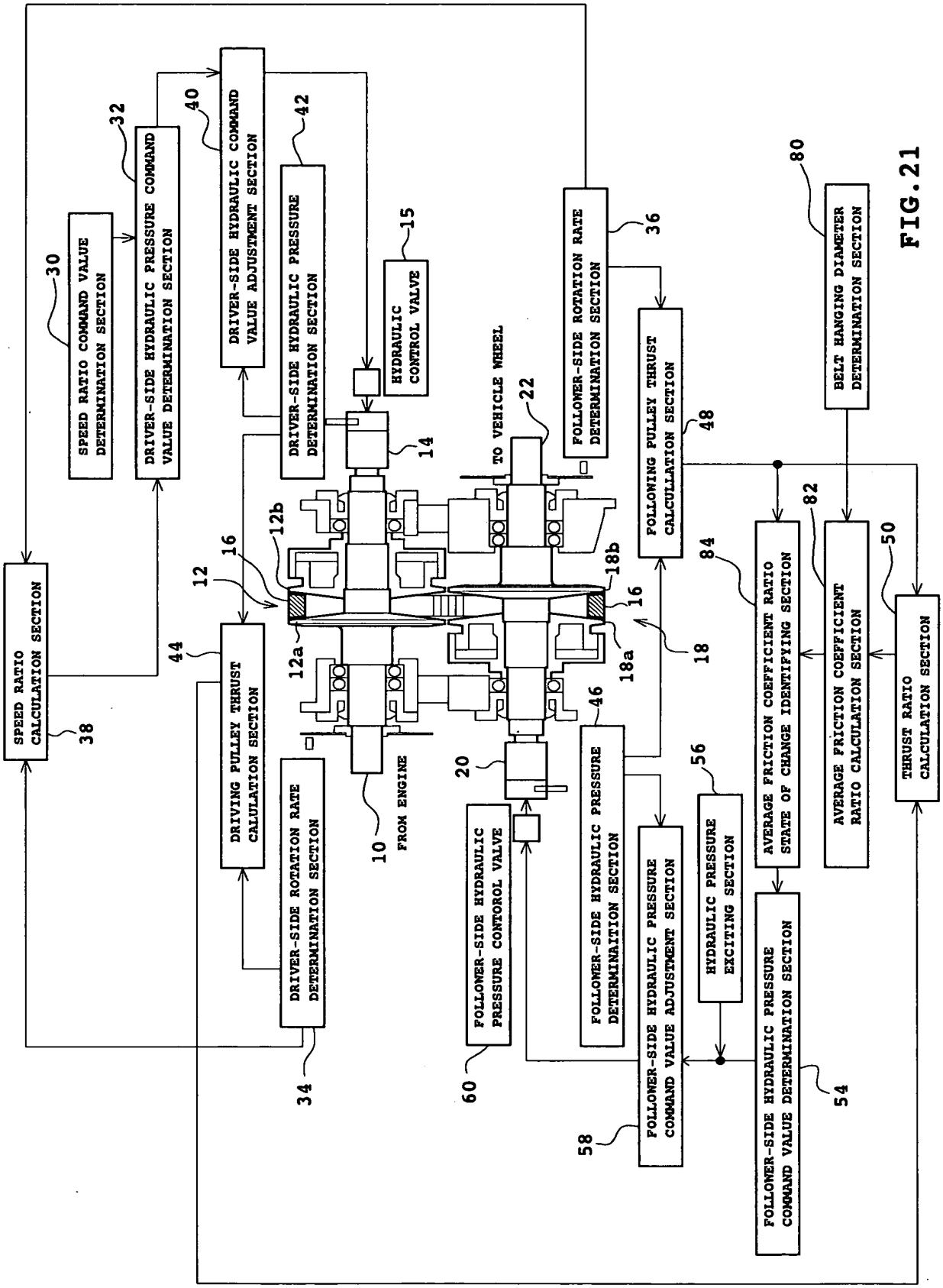

SPEED RATIO CALCULATION SECTION
38
SPEED RATIO COMMAND VALUE DETERMINATION SECTION
30
DRIVER-SIDE HYDRAULIC PRESSURE COMMAND VALUE DETERMINATION SECTION
32
DRIVER-SIDE HYDRAULIC COMMAND VALUE ADJUSTMENT SECTION
40
DRIVER-SIDE HYDRAULIC PRESSURE DETERMINATION SECTION
42
HYDRAULIC CONTROL VALVE
15
14
TO VEHICLE WHEEL
22
FOLLOWER-SIDE ROTATION RATE DETERMINATION SECTION
36
FOLLOWING PULLEY THRUST CALCULATION SECTION
48
BELT HANGING DIAMETER DETERMINATION SECTION
80
12
16
12b
18b
12a
18a
18
44
DRIVING PULLEY THRUST CALULATION SECTION
DRIVER-SIDE ROTATION RATE DETERMINATION SECTION
34
10
FROM ENGINE
20
46
FOLLOWER-SIDE HYDRAULIC PRESSURE CONTOROL VALVE
60
FOLLOWER-SIDE HYDRAULIC PRESSURE DETERMINATION SECTION
FOLLOWER-SIDE HYDRAULIC PRESSURE COMMAND VALUE ADJUSTMENT SECTION
58
HYDRAULIC PRESSURE EXCITING SECTION
56
AVERAGE FRICTION COEFFICIENT RATIO STATE OF CHANGE IDENTIFYING SECTION
84
AVERAGE FRICTION COEFFICIENT RATIO CALCULATION SECTION
82
THRUST RATIO CALCULATION SECTION
50
FOLLOWER-SIDE HYDRAULIC PRESSURE COMMAND VALUE DETERMINATION SECTION
54

FIG. 21

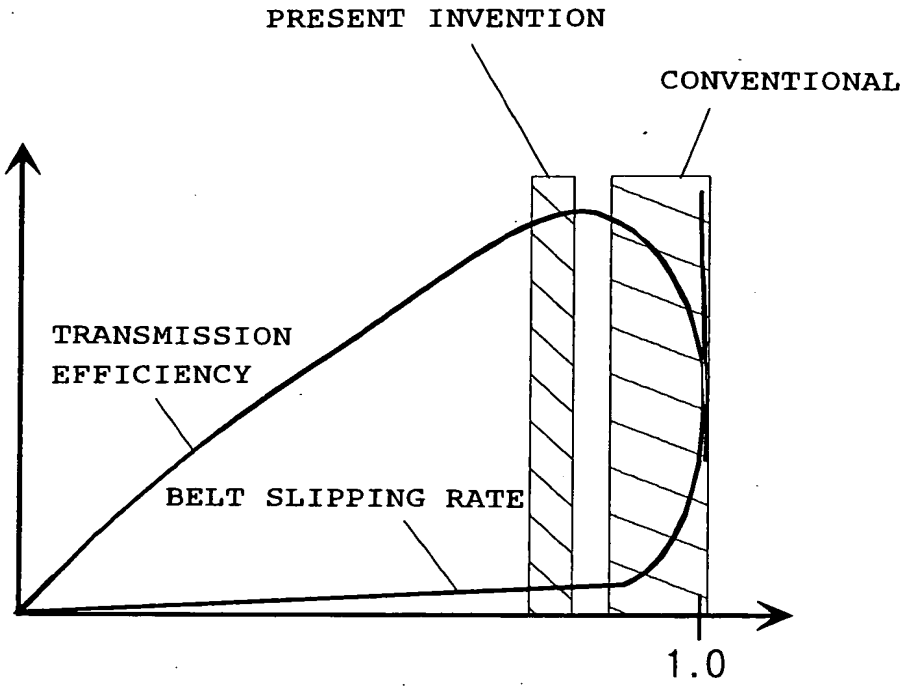


FIG. 22

10085212 - 030402

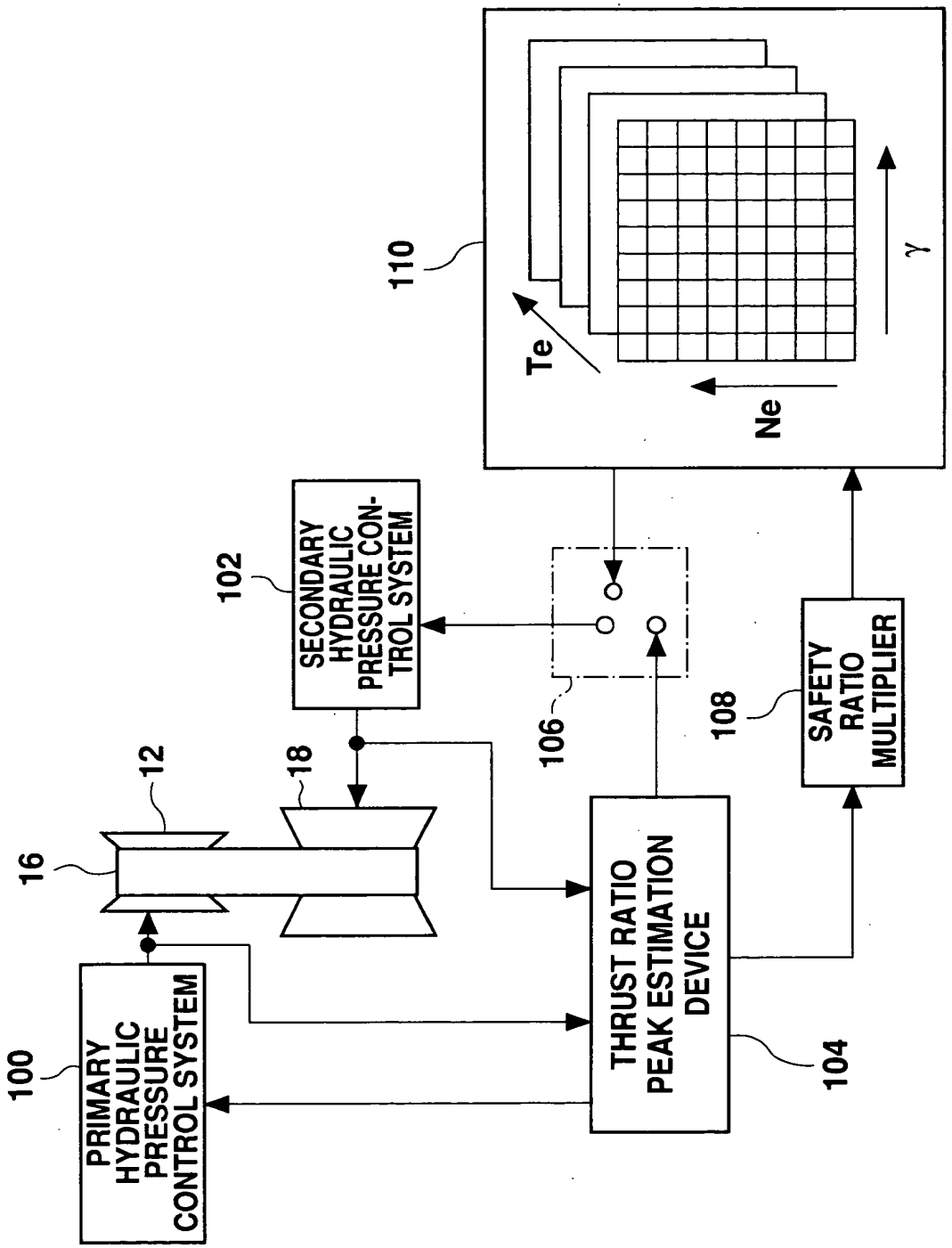
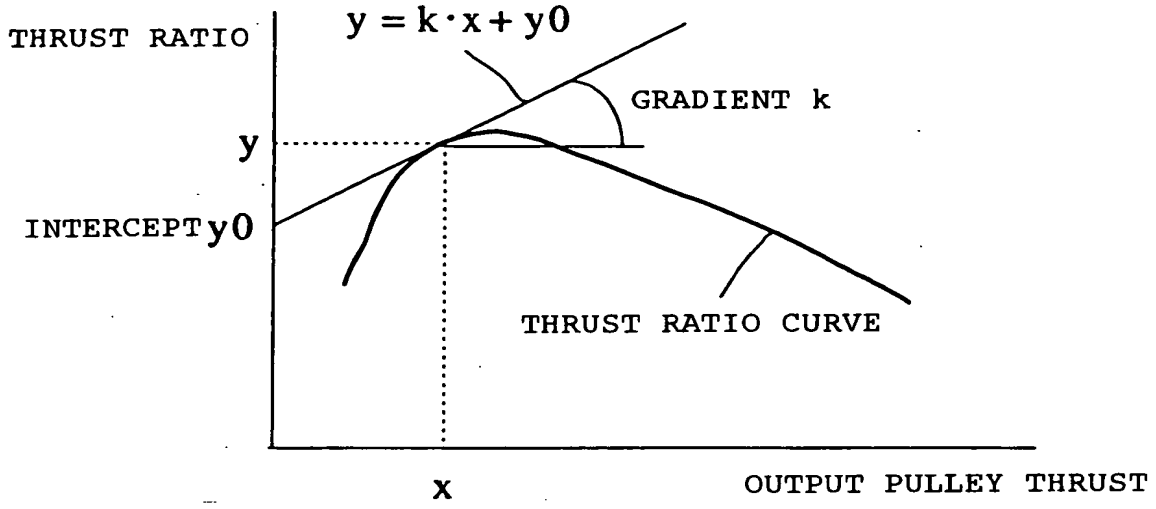


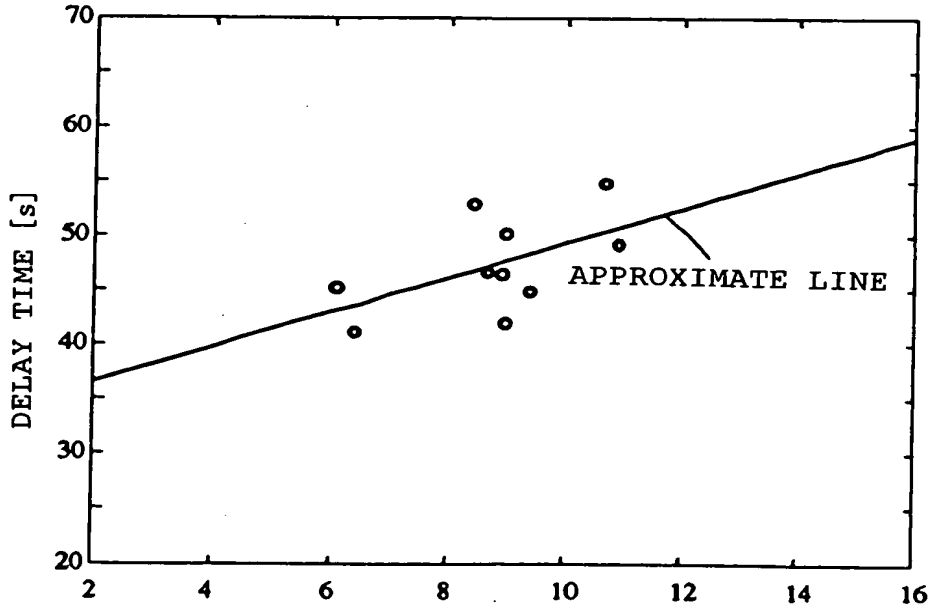
FIG. 23

20060627150907



APPROXIMATE METHOD OF THRUST RATIO AT OPERATION POINT

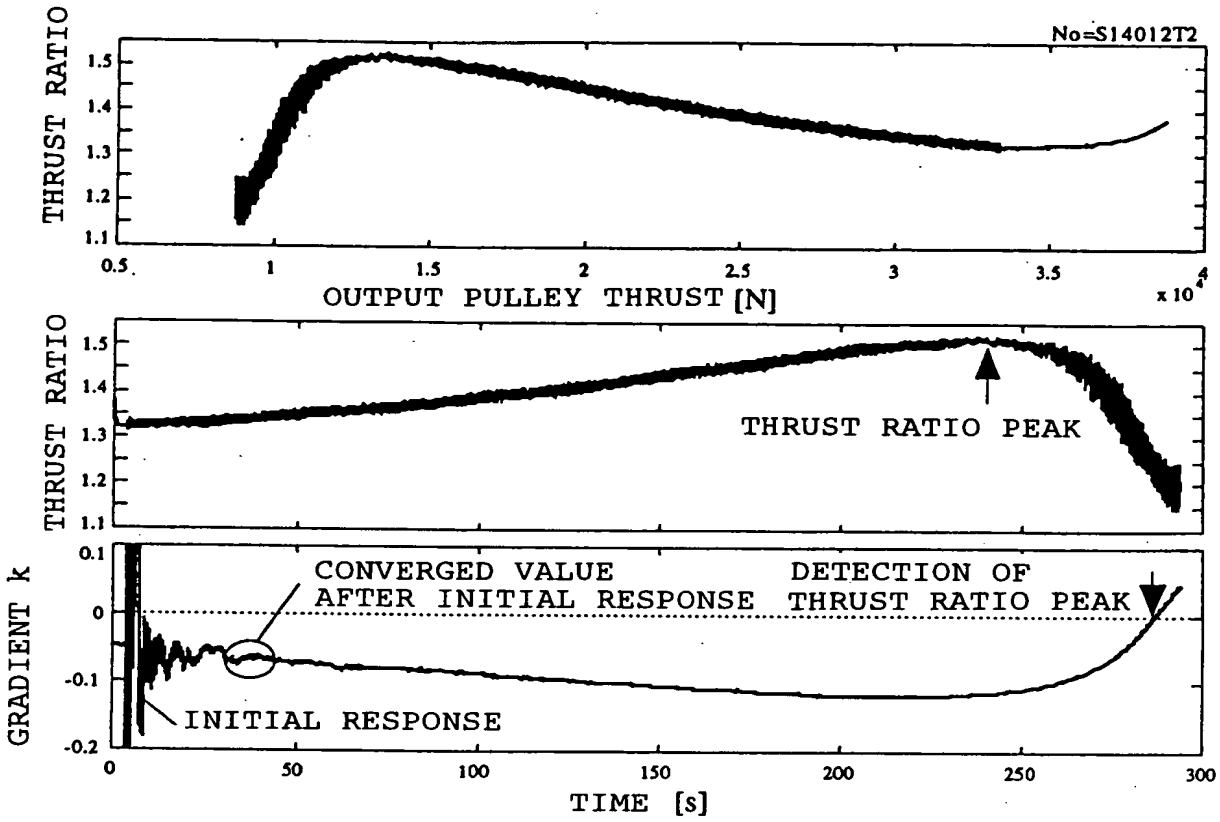
FIG. 24



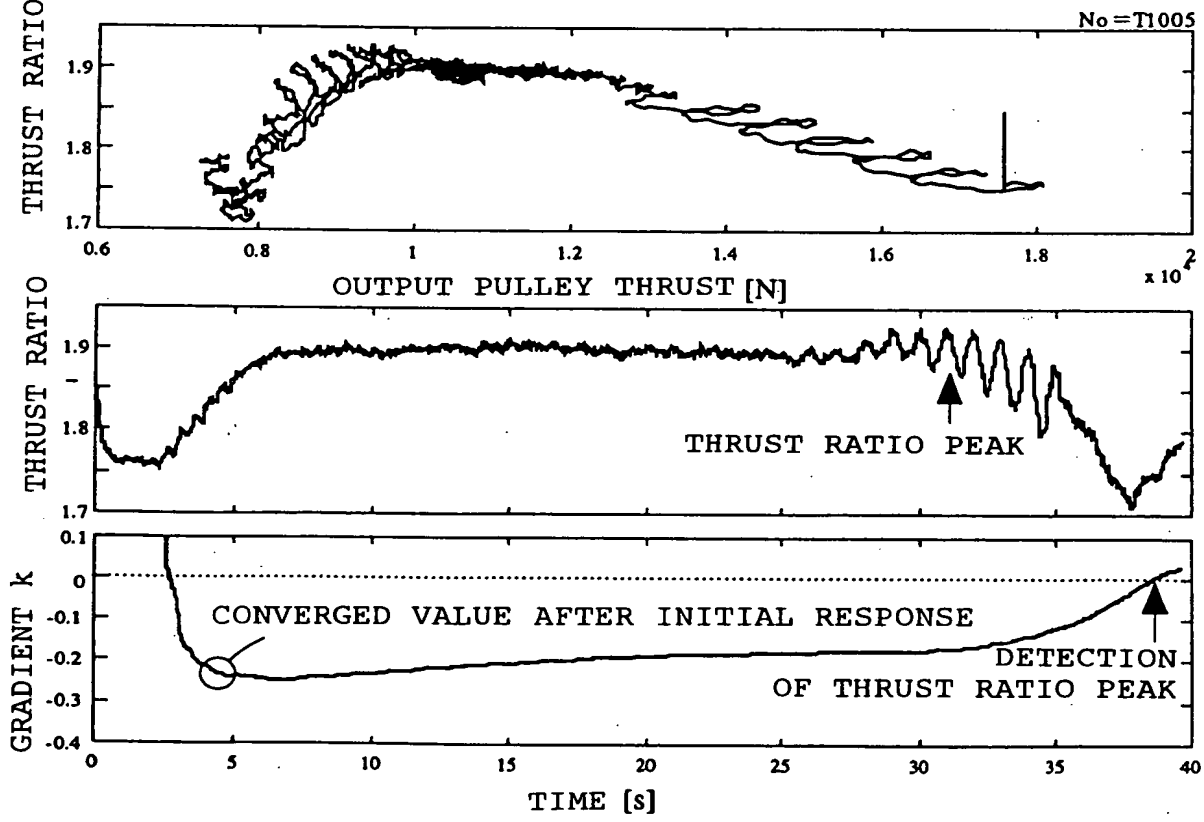
DELAY TIME Δt RELATIVE TO THRUST RATIO GRADIENT (CHANGE)

FIG. 26

20080212.080402



(a) CASE 1



(b) CASE 2

FIG. 25

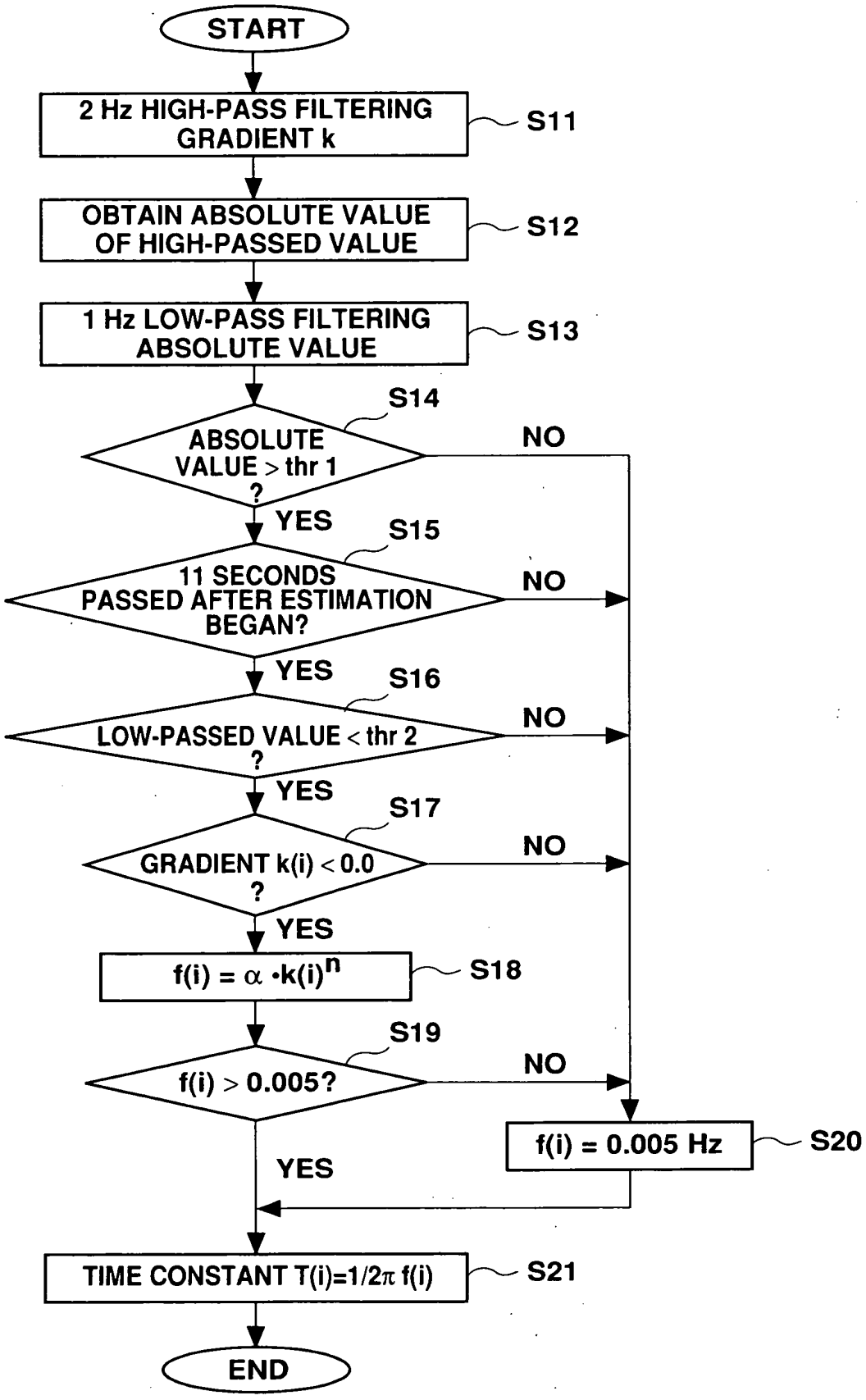
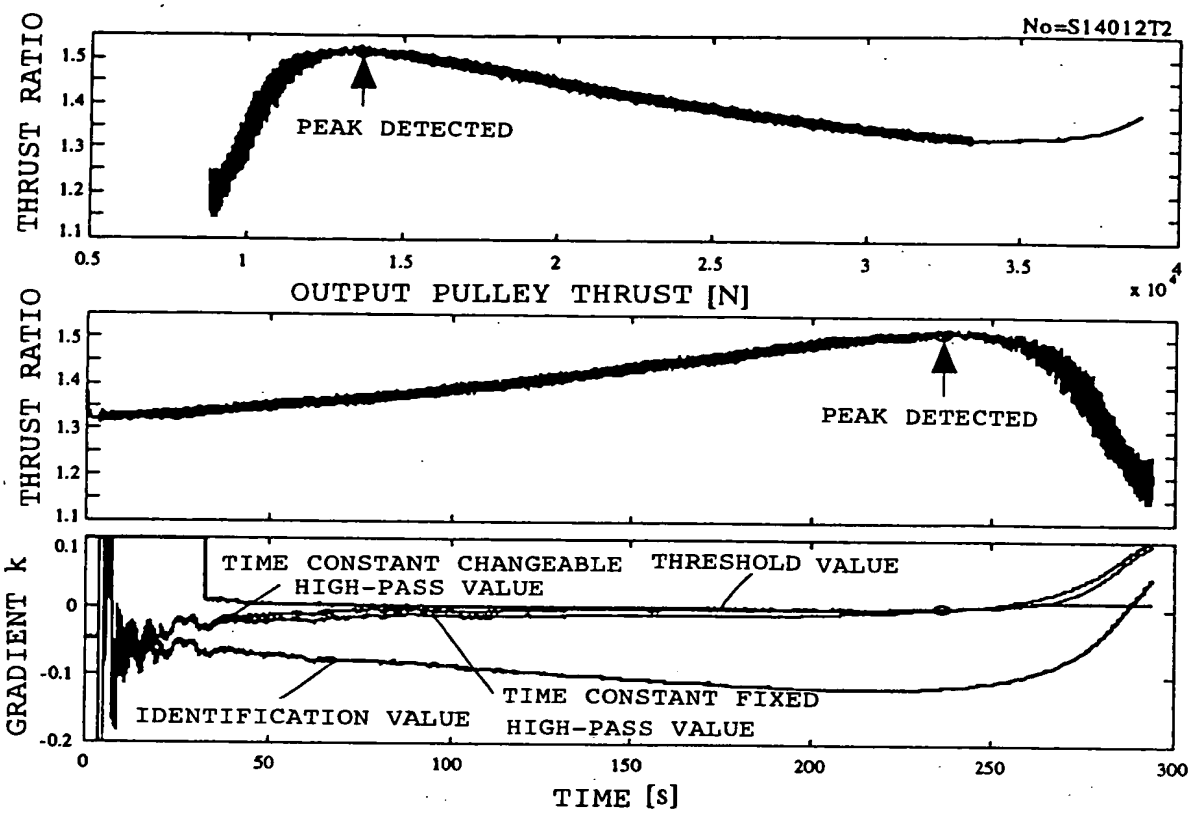
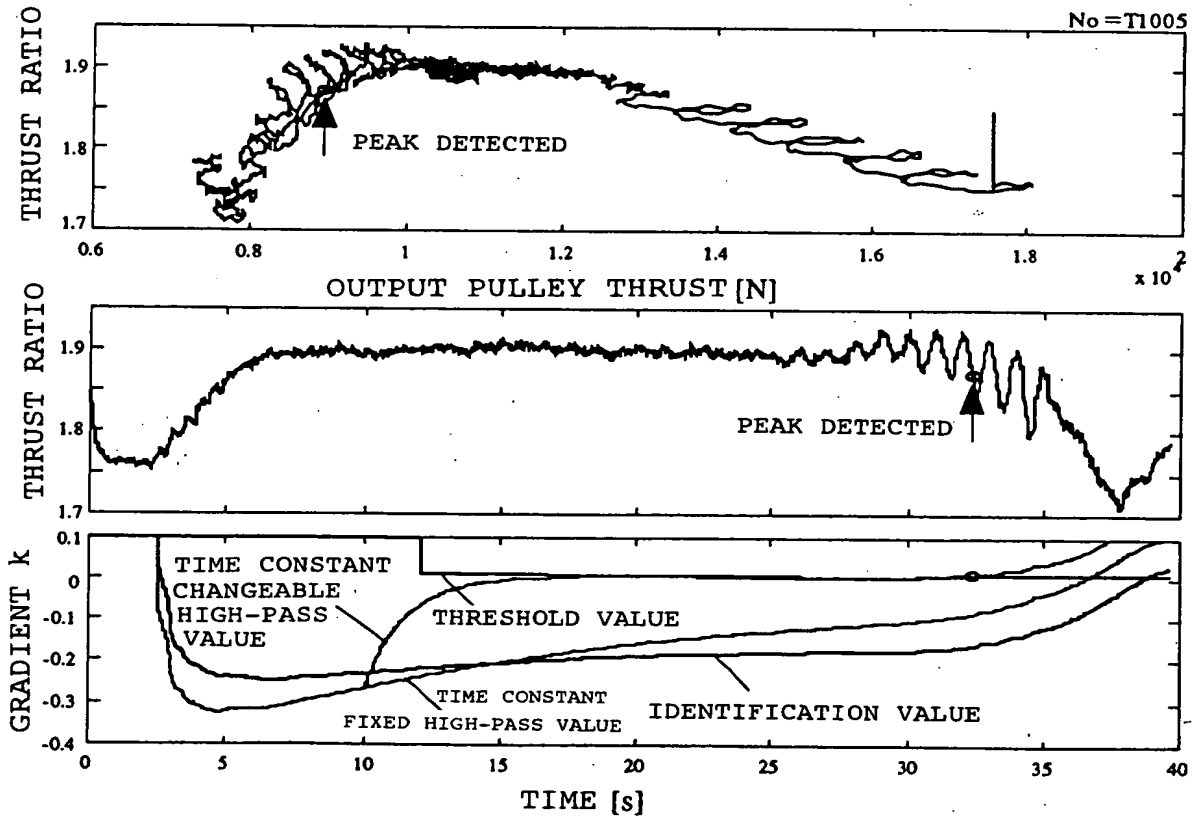


FIG. 27

4085142-030402



(a) CASE 1



(b) CASE 2

FIG. 28

20070830.2220.5900.JP

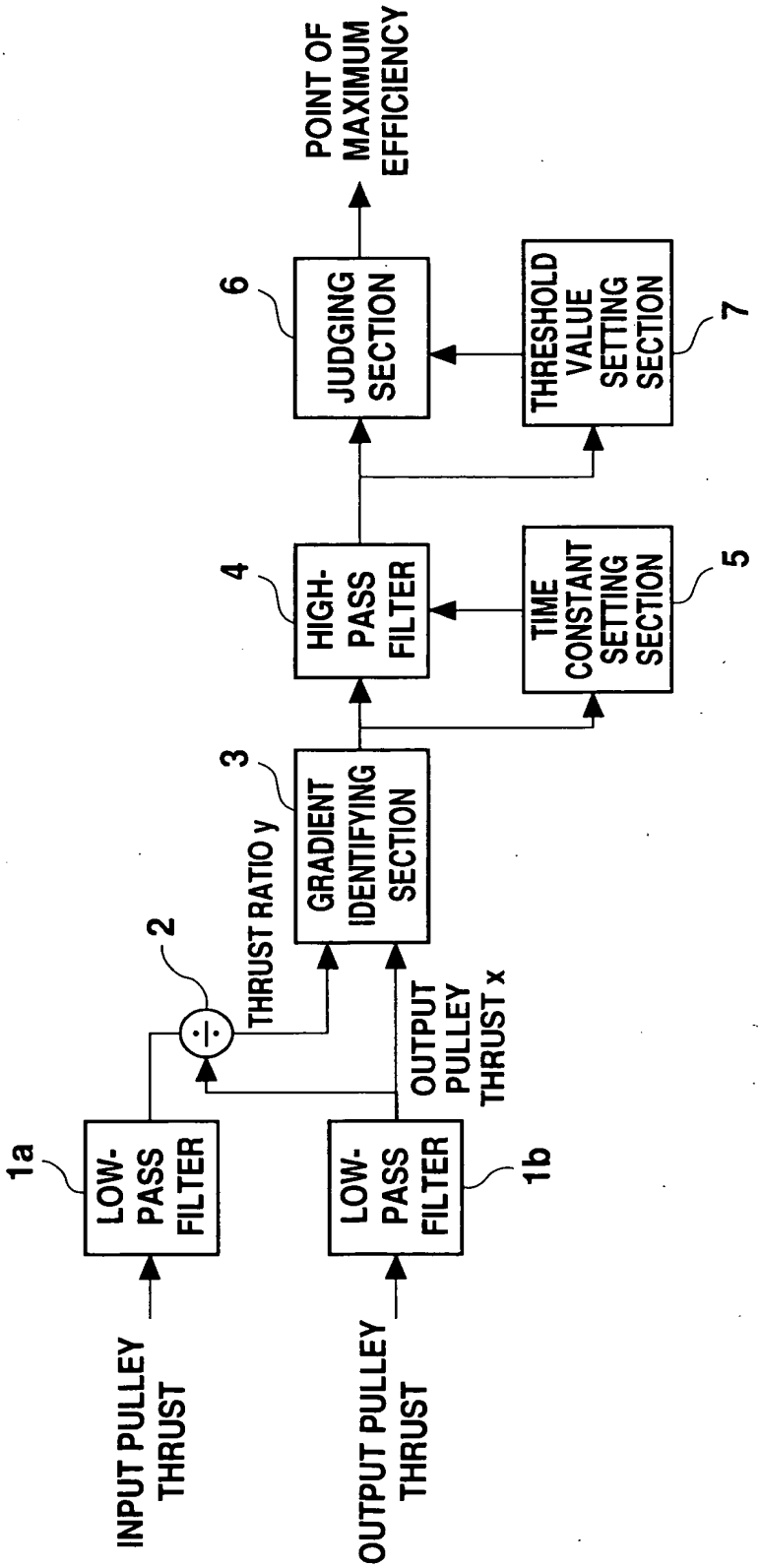


FIG. 29

20080512-090102

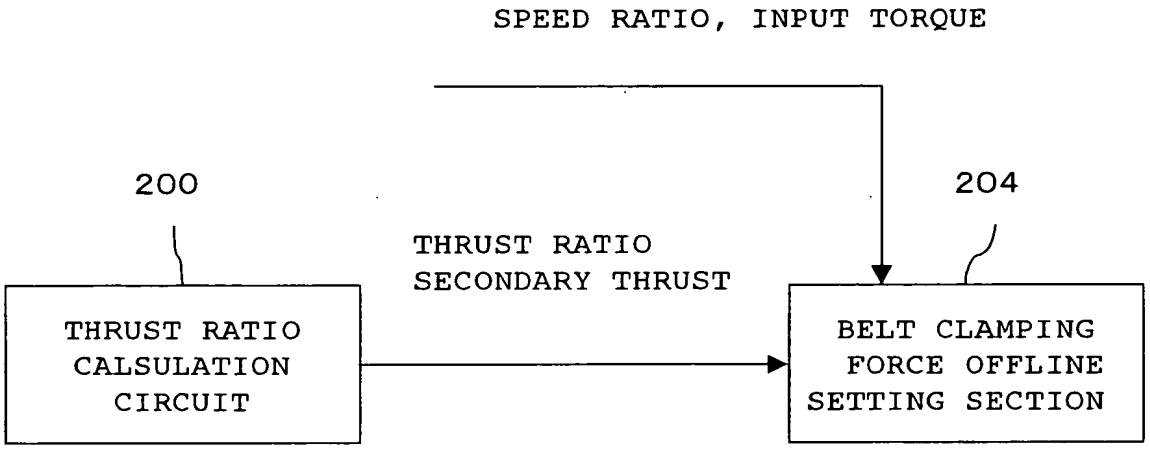


FIG. 30

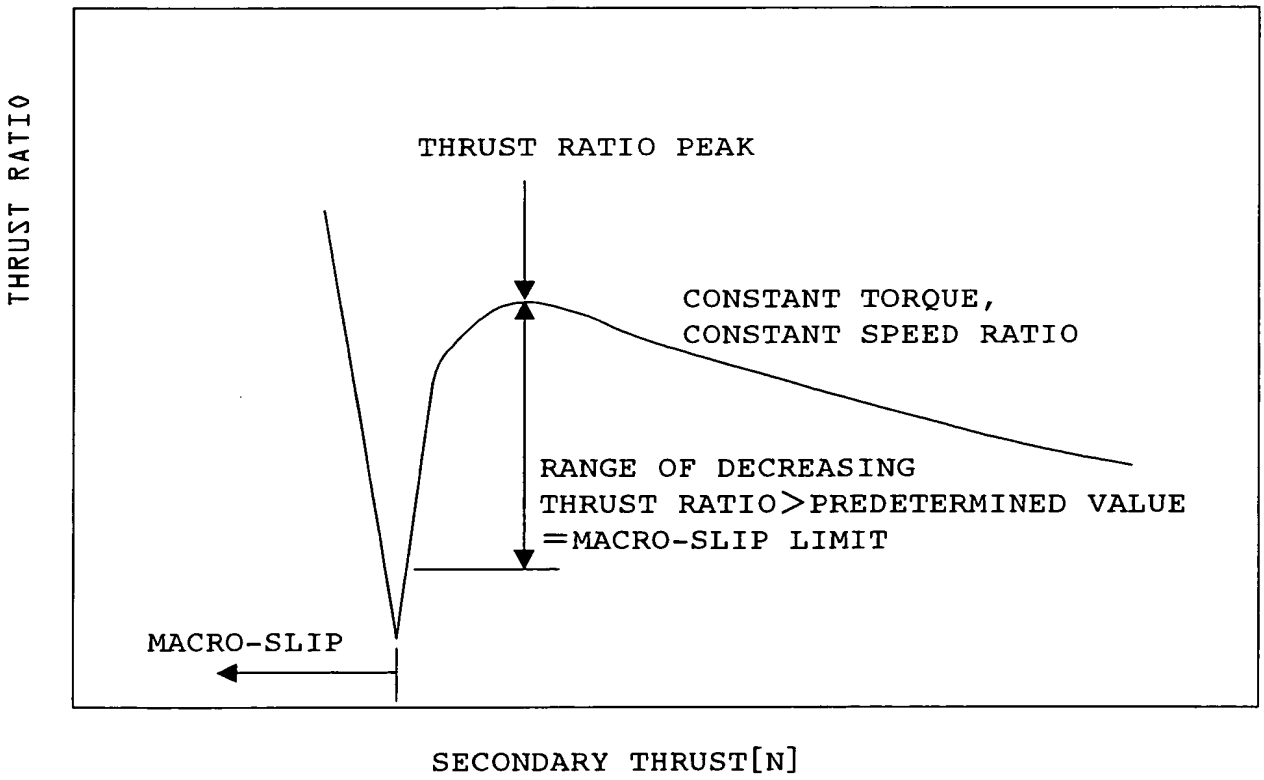


FIG. 31

US2005/0130802

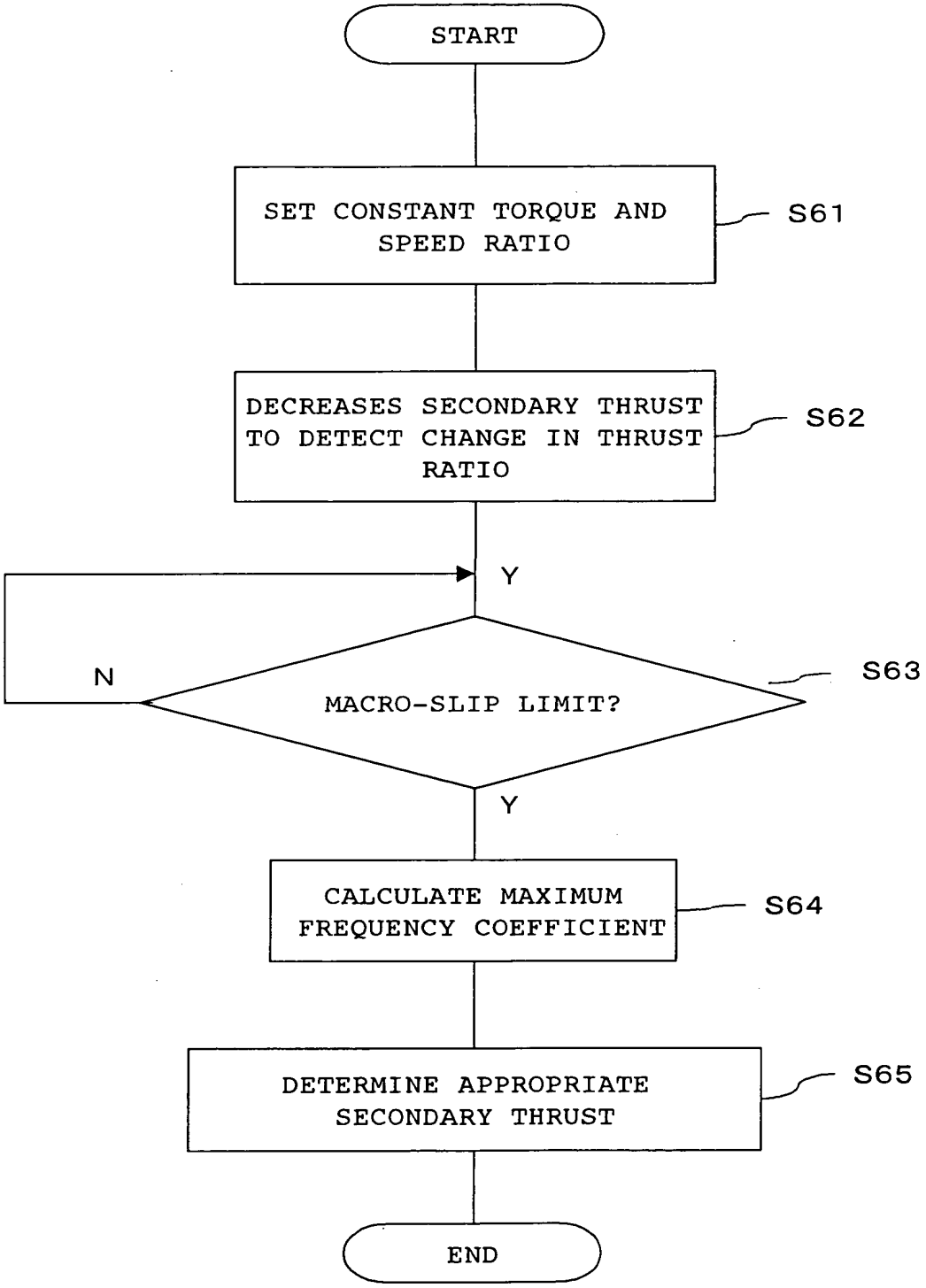


FIG. 32

2015-12-03 15:58:04

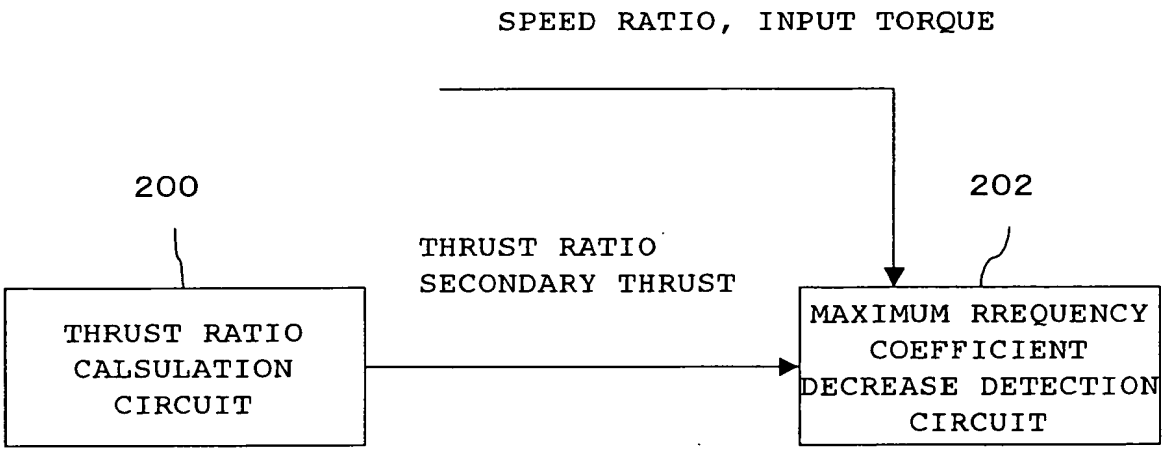


FIG. 33

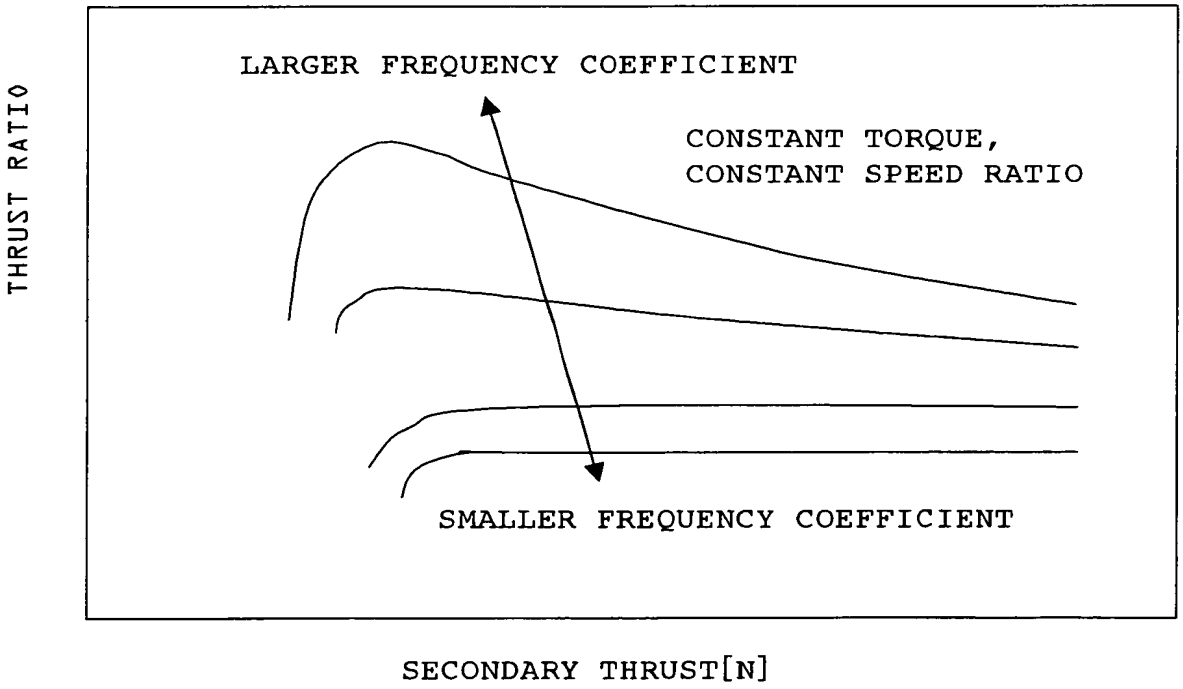


FIG. 34

20150512-030102-100851

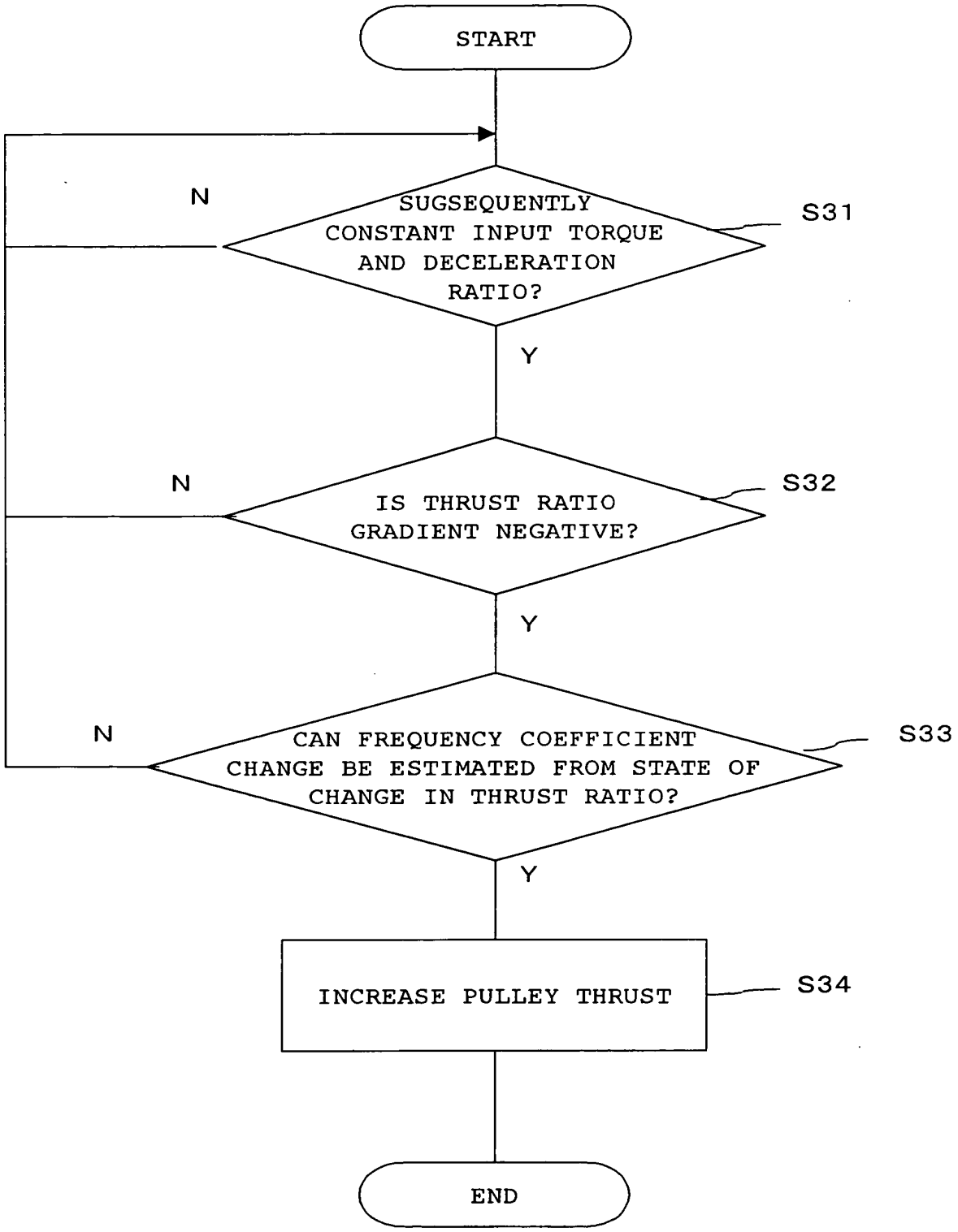


FIG. 35

10065112 - 030108

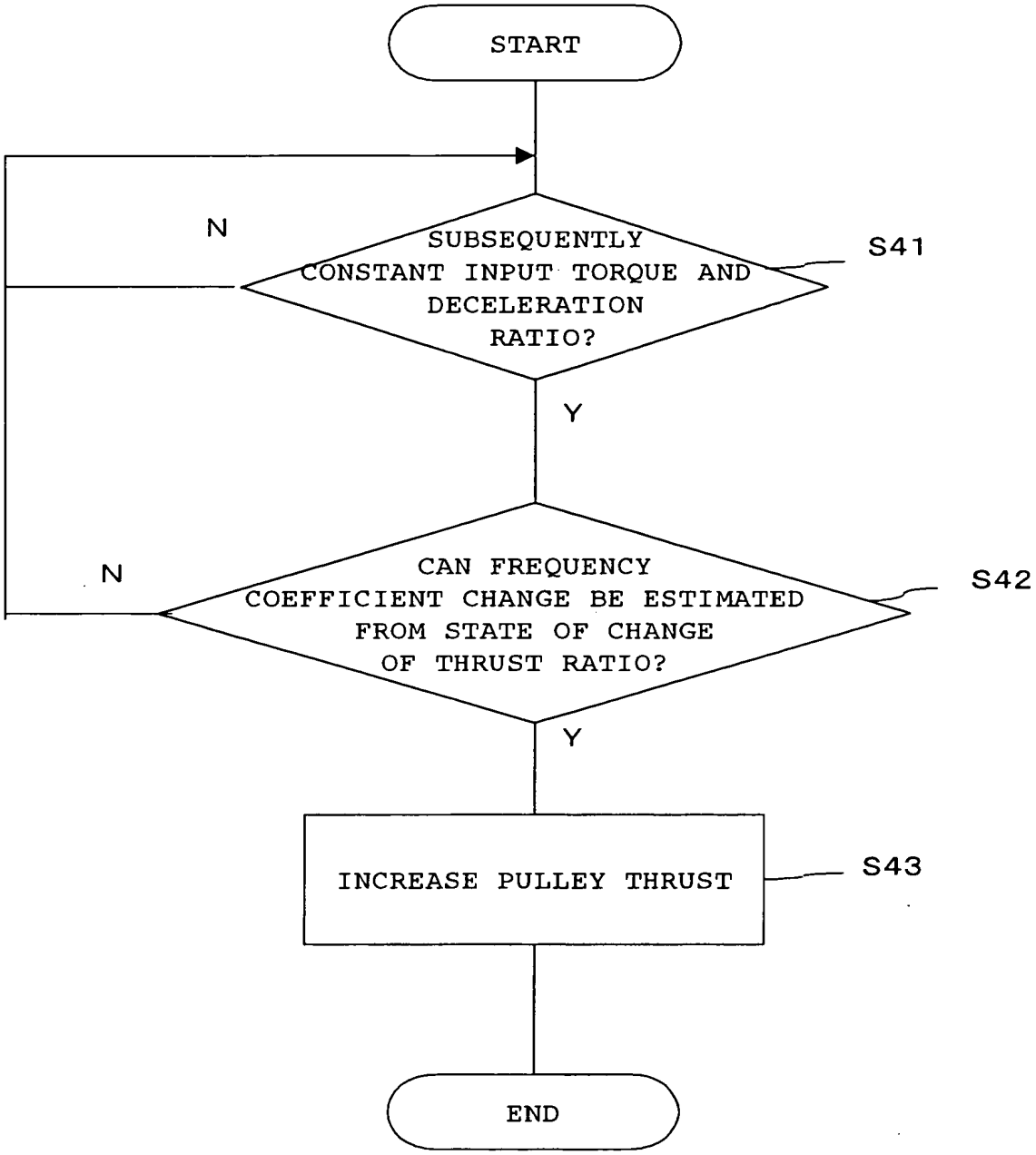


FIG. 36

JP2005-214302

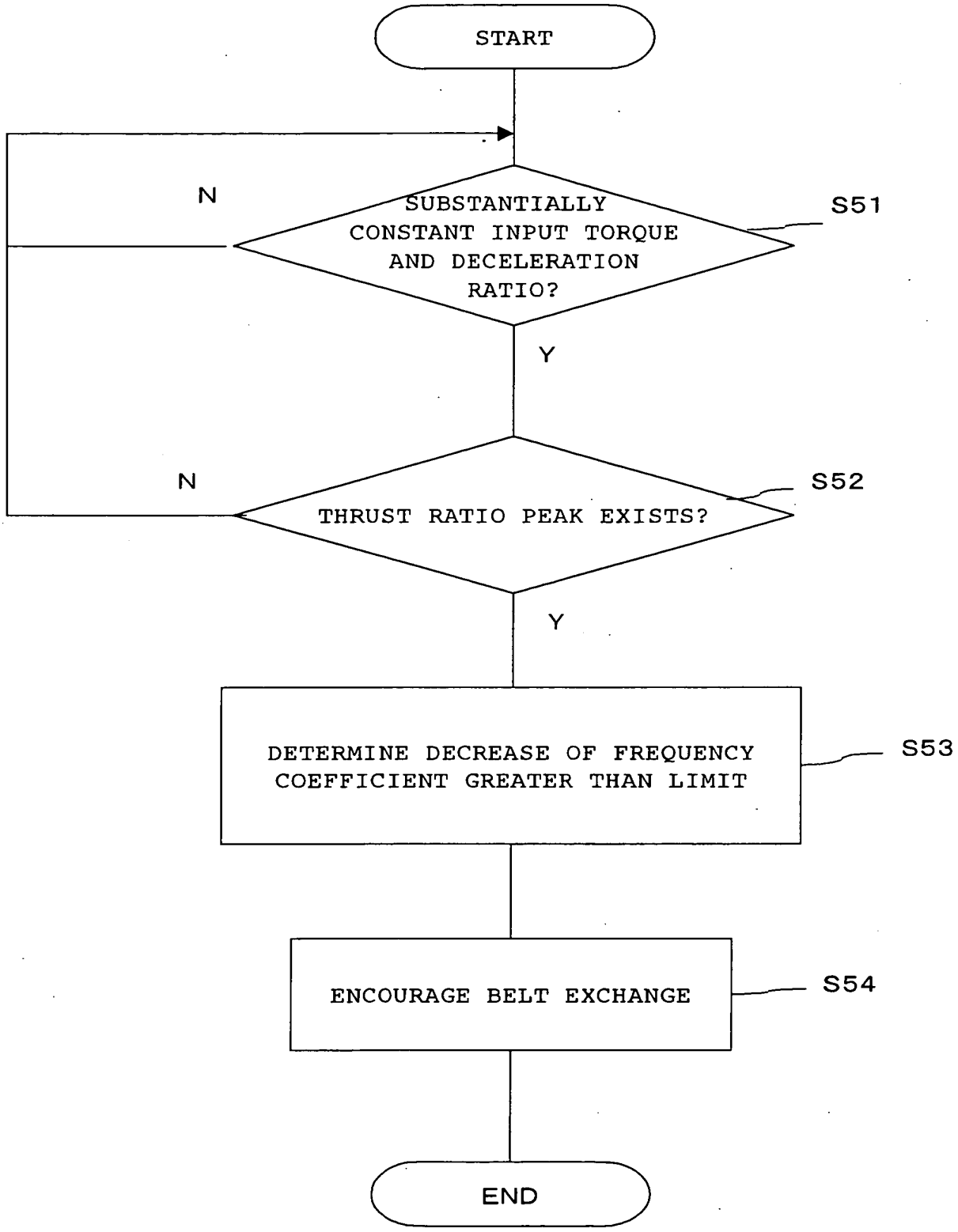


FIG. 37

JP2005172102 2005.06.30